

<110> Rosen et al.

<120> 90 Human Secreted Proteins

<130> PZ013P1

<140> Unassigned

<141> 1999-02-04

<150> PCT/US98/16235

<151> 1998-08-04

<150> 60/055,386

<151> 1997-08-05

<150> 60/054,807

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<151> 1997-08-18

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<170> PatentIn Ver. 2.0

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<220>
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 <222> (3)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

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gccccctaact ccgccccagg ttccggccatc ggctgactaa ttttttttat	240
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 <212> DNA
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<400> 7	31
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<211> 12
<212> DNA
<213> Homo sapiens

<400> 8
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12

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ccatctcaat tag

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73

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cagttccgccc cattctccgc cccatggctg actaattttt tttatttatg cagaggcccga
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256

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<223> n equals a,t,g, or c

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tgtgactttg caggaactga ggcattatat ctgaggacac cagggaaaa gtgtggcatc
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60
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180
240
300
360
420

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<212> DNA
<213> Homo sapiens

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gcgagcacgc caactgcttgc accgcaccgc tgaacacacg gogctgtgag tgccacgcag	360
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<212> DNA
<213> Homo sapiens

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aagctccagc ggcttaacc cttaacttg gggcttgag acagcagggg acagaaaagg	240
aggatccaaac gttacaggaa aggcacgaag cggctttaaa agtcactgga ggtggagatg	300
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tgtctataaca gagatgcatt tgactagaat ttcccttagca gaaatggatc cacttccctc	960
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ttactcctgg tacatagggg ttaaatatac aggccctgggg gcagcctccc tgaccctctc	1025
gtgcc	

<210> 14
<211> 781
<212> DNA
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aaaggcgggt ggttacgta gctcagcaga caagacgca gatggatgt atgcttgatt	240
gaaagttaccc acctgttatt ctgcgaacac aatgggagga acagaatcct acatttccctc	300
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agaggcttag gaaagatgag acatthaagc attgcatgg gaaaaaaaaga agtagatctc	780
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a	

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<212> DNA

<213> Homo sapiens

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gcttgttggg	cgcgttgtgc	ctgcagcggc	cacctgttagt	ctccaaagccg	ttgaccccat	240
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aaaaaaaaaa	aaaaatcgca					1040

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<211> 712

<212> DNA

<213> Homo sapiens

<400> 16

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ccagaactca	gatgagccag	ctcccttgc	aagtgttaag	aacatggta	ttacaggagt	180
aaggctcatg	aagtggagag	atgagaagac	tttcgggaca	gattgtgtgg	aggctgtcat	240
tctcctcg	acattgtgt	gggagaagaa	ggaggcatc	catgttggct	tcagtgaaga	300
acttcagtat	tttcagaga	gaagtactga	gaagcttaaa	gtatggat	gggaggagga	360
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ttttaaatct	cttactgtc	taagacat	tttagtggaa	tatttatctc	tggcatccaa	660
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<210> 17

<211> 1323

<212> DNA

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<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1087)
<223> n equals a,t,g, or c

<400> 17

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aaactccca	ctcatcatcc	attccctcc	taccagcctt	gtcggaatca	cccaatggg	180
aaggcagc	acctgtca	tcagca	ctgcacttt	ggaaaatgg	aagacaatg	240
gggacc	caga	ttgtgaagcc	tctgctc	cgctgacc	gagctgc	300
agtcagg	ccaaggcc	gatggagaa	gaagc	taca	gcaagg	360
ytaaaga	ccaaga	acttca	aggaggagg	aggaa	aaca	420
agtcc	aacctga	ggtagaa	actgagga	agaaaaagg	cccaaga	480
agcaa	actt	ccat	caagtcat	atccc	actgt	540
tggca	actgt	tctggat	ggctgc	atgc	tgactgt	600
tacaatt	cct	ataactt	tgcagag	gtgtat	cccttg	660
tcggc	agccc	caggact	tggtgg	gact	gcat	720
agtag	aaac	ctcacac	gccagt	tgct	gact	780
ccccaa	gttat	aacgtc	ccaagt	gtgg	accac	840
aggaagg	ttttaa	acac	tcggc	acttc	gtgact	900
tg	tttgg	ggat	actgc	cc	ttgt	960
ttcacca	agg	aact	cc	ct	ggat	1020
gaactaa	ac	tttatt	gg	ct	gtg	1080
tagggnc	aa	actct	tt	ct	ggat	1140
tttgct	aa	acta	ct	ac	ttgc	1200
tcttcc	cc	atct	ttt	cc	tttgc	1260
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cga						1323

<210> 18
<211> 786
<212> DNA
<213> Homo sapiens

<400> 18

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tcagcgctg	attgtctaa	agccc	aggaa	aaatgg	aaaattc	180
ccagaa	agag	cgattt	atgg	ttctt	ttcaag	240
tacctcg	tgt	ttt	tcctg	aatct	tggctaa	300
cctcaaa	at	tttgg	cgt	tgcatt	cttgc	360
tacgtcg	tgt	tttgg	taacat	gtcatt	ttattg	420
atcacag	ata	tttgg	gat	actct	ctact	480
gcctt	aa	tttgg	act	cact	catccat	540
ctttac	aa	tttgg	tttct	tttgc	tttgc	600
aagt	tttgc	cattata	ttgacc	attaa	tttgc	660
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caagt	tttgc	tttgc	tttgc	tttgc	tttgc	780
actcg						786

<210> 19
<211> 510
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
<223> n equals a,t,g, or c

<400> 19

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ttggagaaaaa cagtc当地	tttggaaattt	ggcttatgtt	tattcaaact	aagcttctct	180
gagcacatgg tctgtcccac	tcatcctcag	agtatccgtt	ggttttactt	catgttcaga	240
ctgcagtgtt gttaaaagaaa	taaagctaca	gtgtttcag	aaggatttgt	tatattatac	300
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<210> 20
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (749)
<223> n equals a,t,g, or c

<400> 20

gagctgcctg atggaaagaa	gagaagaaag	gtcctggcgc	tcccctcaca	ccgaggcccc	60
aaaatcaggt tgcccacaa	aggcaaatg	aagcccggtcc	atcccaaaaa	gcccaaagcca	120
cagataaacc agtggaaagca	ggagaaggcag	caattatcgt	ccgagcagggt	atctaggaaa	180
aaagctaagg gaaataagac	ggaaaccgc	ttaaaccaggc	tggtcgaaca	atataaggcag	240
aaattattgg gacccctctaa	aggagcacct	cttgc当地	ggagcaaatg	gtttgatagt	300
tgatgatggc agcaggctgg	gtaagaagct	gggttgcgt	cttctgggt	acactcctgg	360
gctcctccccc atccccccgt	tctctactg	aggaaaagaa	aatccccaaag	ggcactgcca	420
ctgtgctcgg aggtgcctg	gactgtgtac	atctgaactt	tggccatcc	tttgatgtgt	480
gtttcggttag ccacaaagag	aaatatctga	aagtcaacat	gatgcttctt	gcattattatc	540
cagattattg tatgaagttt	tgtctataat	tattaccaat	ttttatttctt	tatttctcaa	600
atggaaacac ctgaaaaagc	attctggagt	gctgaatttt	taagatgtat	attttgttaa	660
gcataattctc taaatgagat	attgtgtggc	tttttagtaa	caacgtcatt	tctaataaaaa	720
aaaaaaaaaaa aaaaagaaaa	aaaaaaaana				750

<210> 21
<211> 838
<212> DNA
<213> Homo sapiens

<400> 21

gaattcggca cgaggagcca	ctgcggctgg	ccaaagatgct	ttatattctt	ttaaaaccat	60
tgttgtgtct atctgttaac	tgcacaataa	tttaccaaata	gcttaccaag	agccaaggac	120
tagacttggc actgggtaga	aactagtaag	gcatggtcct	tcttctacat	agaatcttag	180
catttttagag atgagttccc	agacatggtc	cagaaggctca	cagttcacac	cattaggcaa	240
ggcagtattt gaaataaaaag	tcatgtctaa	tactaaatcc	agtatgttct	ctccttcagg	300
attttactct cattgctgcc	ccttggtttg	ctatgctctt	ccccagacag	ctgcacagct	360
catttaattt agatctcatt	taatttagat	ctctcaatta	attagatct	ctgttaaaaaa	420
aaaaaaaaaaag cccttaggcag	caaggctcaa	catacatcc	tcaaattaaa	gagaaagccc	480
tttggtgta ttttcttta	tagcacttac	caactcccag	tagaatgtaa	actccagtag	540

ggcacatatac tttgcctctt ttatTTactg ctctattccc agcaccagaa cagtccttgc	600
cacaaagttag gtgctcaata aacatTTgtt gaatgaatta acctagtgtt ctTTTAcct	660
acacatgcac acacagagcc atgacactcc tgccgaggaa gctcgccgct ctaagaggaa	720
cattaaagaa aagccaattc agtgcctgcc aaagagtaga acatgtttg acagcaggat	780
cagcttgggt ggtggaccaa caatgggtt cagaccaaga aaaaaaaaaa aaactcga	838

<210> 22
<211> 1061
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1048)
<223> n equals a,t,g, or c

<400> 22

acaccaatgg agacataatt gtgggcagac tatgacaacc gttgggtcag catcttctcc	60
cctgagggggc aagttaaaga ccaagattgg agctgggccc cctcatgggc cccaagggag	120
tggccgtaga ccggaatnrga catatcattt tggtcgacaa caagtcttgc tgcgtcttta	180
ccttccagcc caatggcaaa ctggttggcc gttttggggg ccgtggggcc actgaccgccc	240
actttgcagg gccccatttt gtggctgtga acaacaagaa tgaaattgtt gtaacggact	300
tccataacca ttcagtgaag gtgtacagtg ccgatggaga gttccttcc aagtttggct	360
cccatggcga gggcaatggg cagttcaatg cccccacagg agtagctgtg gactccaatg	420
gaaacatcat tggcttgac tggggcaaca gcccacccn aggtattcga canctctggc	480
tccttcctgt cctatatcaa cacatctgca gaaccactgt atggtcacca gggcctggca	540
ctgacctcgg atggccatgt ggtgggtgct gatgctggca accactgtt taaaggcttat	600
cgctacctcc agtagctgtc cagaggccct gcctggcttg tggaggacca gacattgggg	660
tgattggaca agagggcttg gctggggaggt gggccagacc tggcagcaact gaatgtgggc	720
tgtggcatg ggtgcaccccg gtgcctccccc tctcctaccc ccaccccccac gttgcactt	780
tatttattcg gttcttgctt tggtgactgg gtgagcctgg actgtgttcc caaggatgtt	840
tgcagagctt cacccttaccc ttcttacaca cctccccacc cctgtcagtc tgctccccat	900
cccccagctt gggccagaa cagcctaccc caggacacgaa gtccctctag ttgtctccct	960
accaccctat acacactgac agagacacgaa atacccacc ccccatatta aataaatgtc	1020
ttcaccaaga aaaaaaaaaa aaaaaaanac tcgcggcacg a	1061

<210> 23
<211> 884
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (307)
<223> n equals a,t,g, or c.

<220>
<221> SITE
<222> (356)
<223> n equals a,t,g, or c

<400> 23

tcgaccccacg	cgtccggccgg	atggttgcca	ccccctcctgc	tgtaggatgg	aagcagccat	60
ggagtggag	ggaggcgcaa	taagacaccc	ctccacagag	cttggcatca	tggaaagctg	120
gttctacctc	ttcctggctc	ctttgtttaa	aggcctggct	gggagccttc	ctttgggttg	180
tcttctctt	ctccaaccaa	cagaaaagac	tgctttcaa	agtggagggt	cttcatgaaa	240
cacagctgcc	aggagcccaag	gcacaggctg	gggcctgga	aaaaggaggg	cacacaggag	300
gagggangga	gctggtaggg	gagatgctgg	gctttaccta	agtctcgaaa	caagggngca	360
gaataggccag	aggcctctcc	gttccaggcc	cattttgac	aratggcggg	acggaaatgc	420
aatagaccag	cctgcaaraa	aracatgtgt	ttttagatgaca	ggcagtgtgg	ccgggtggaa	480
caagcacagg	ccttggaaatc	ccaatggact	gaatcagaac	cctaggcctg	ccatctgtca	540
gccgggtgac	ctgggtcaat	tttagcctct	aaaagcctca	gtctccttat	ctgcaaaatg	600
aggcttgtga	tacctgtttt	gaagggttgc	tgagaaaatt	aaagataagg	gtatccaaaa	660
tagtctacgg	ccataccacc	ctgaacgtgc	ctaattctcg	aagctaagca	ggtcaggcc	720
tgttagtac	ctggatgggg	agagtagatgga	aaacataacct	gccccgagtt	ggagttggac	780
tctgtcttaa	cagtagcgtg	gcacacagaa	ggcactcagt	aaataacttgt	tgaataaaatg	840
aagttagcgat	ttgggtgtgaa	aaaaaaaaaa	aaaaaaaaaa	aaac		884

<210> 24
<211> 711
<212> DNA
<213> Homo sapiens

<400> 24

atagggcgat	tgggtacggg	ccccccctcg	agtttttttt	tttttttttt	tttagagaca	60
gagtcttgc	ctgtcaccta	ggctggagta	cagtggcgtg	atcatagctc	actgtAACCT	120
tgaactcctg	ggcttgagca	accctcctgg	cacaatctcc	ttgaatgatg	ggtcccaga	180
gccagacaga	acggacttcc	tcccttatgc	ctcatcaagt	tagagagaga	agagctcaca	240
tcccccaaat	gcctatgaac	acataactct	actgattcct	gacctgaccc	gccttggcct	300
caagagggcc	aaatgctaa	ttccttgagt	tcaaattctt	ttccctgtat	tttctcacct	360
gtggggtcca	cctctgtccc	tctgactcac	agaatgtgac	tgccccctc	cttcttatga	420
tagtccttca	gaggtctgaa	gacagaaaagc	atatcttcct	tgagtcttct	ctaaagttgaa	480
tactcccaat	caccccaaac	agagtagtgc	agtgcaggaa	aagtatagtt	ttgtgatcag	540
agttgttattc	aaaattccat	atcacaactt	actaactaca	tgacctagag	tatgttctt	600
cacccctcacag	aggcaggagc	attgtgagga	ttaaagcgcc	tagccagaa	taggccatag	660
tatgtgctca	ataaaatgata	cttctcaaga	taacaatctc	gtgccaaatt	c	711

<210> 25
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (48)
<223> n equals a,t,g, or c

<400> 25
ctcgaantan ccccactaag ggaacaaagc tggagctcca cgccgtgnng gccgcttar
aactagtgg a tccccgggc tgcaaggatt cggcacgagc ttttccaaaa tggctgtact
aatttacatt cccaccaaca atgttcaagg atttcattt cttgacattc ttaccaaaaat
tgtcacagtt tgtaaaaaggt agtctaataa gtggcctaag tgaatgtgac aacacttc
tgaaagcaat cttaggttt tccaactata gtcaataata acttaattgt acattctaaa
ataactcaaa gagtgtaatt ggattgctt gtaactaaag gataaatgct tgaggggatg
gatgcctcat tctccatgtat gtgcatttt cacattgcat gcctgtatca aaacattaca
tttatccat aatacacaca cttaactatgt acccccaaaaa aataaacatt aaaattaagt
tttcaaaaaa aaaaaaaaaa aactcga 60
120
180
240
300
360
420
480
507

<210> 26
<211> 2232
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (715)
<223> n equals a,t,g, or c

<400> 26
ctccccaggcc cgcaacttg gccattcagc cgccgctgtc cccgctgcgc gccctcgcc
ctctgcctga raagccaggc gctgttcccc cacccagaa gaggatggca aaggtggcta
aggacctcaa cccaggagtt aaaaagatgt ccctggccca gctgcagtca gcaagaggtg
tggcatgtt gggatgcaag gggacgtgtt cgggcttgc gcccacattca tggaggaaaa
tatgcaagtc ttgcaaatgc agccaagagg accactgcct aacatctgac ctagaagacg
atcggaaaaat tggccgctt ctgatggact ccaagtattc caccctcaact gctcgggtga
aaggcgggga cggcatccgg atttacaaga ggaaccggat gatcatgacc aacccttattg
ctactggaa agatcccact tttgacacca tcacctacga gtgggctccc cctggagtca
cccagaaaact gggactgcag tacatggagc tcatacccaa ggagaagcag ccagtgcac
gcacagaggg tgctttacc gccgcccca gctcatgcac cagctccca tctatgacca
ggatccctcg cgctgcccgtg gacttttggaa gaatgagttt aaactgatgg aagaattttgt
caagcaatat aagagcgagg ccctcggcgt gggagaagtg gccctcccg ggcangggtg
gcttgccaag gaggagggaa agcagcagga aaagccagag ggggcagaga ccaytgcgy
taccaccaac ggcaktytca gtgaccgcgc caaagaagaa gcgtgttagc cagtcact
cgtgtgataa cccattaatc tattaagcca taagtggatt aatccattcc tgaggacctg
agccctcact acccaatcat ctcttaaagg ccccacctct caataactgccc atgcagagga
ttatgttca acctgagtgt ttggagggaa tggcaaccc ataggaagtg gcagtgtgga
agaagtgtc ctgaggagtg agtcactggg ggcattttt agaaaacaga aaggagaagc
cagagttggg gagatgaaag cctcatggct tggtttgc taaactgccc cacagaagc
gaaaggaatg cttgaggctg gaccacgtgg gtctagcgtg tactgcgttt ctggcccc
gcccctgtt tacctttgc tcctcctgca ccatcaacca agtgcattca ttgtttcta
tggcaattaa ctgggaga tagaagtccc agcacacgag atccccaaac acattatcta
ccttgctgaa caggctggca gtcacacatg agccaggcga cccaggaaaa tgccagccca
aacgaagctg ctgccacatc cagagaggc cggactctt ctccttgc gtcactcaag
ctaattcatcc aaaacactgca tcctccatct ccaagccccca tcttattagc accatctggg
1020
1080
1140
1200
1260
1320
1380
1440
1500

atgccaacc aagaaaactgt tttatcttag aactctaaga ccaaagaaca agatttattt	1560
cctctactac agattggca gtgacgcata aaaggcccat ttctcaggaa gaatacatgt	1620
cctaaggatg taaaaaaaaaaa aaaaatatta gatctagtta ccatggkcta taaactggtc	1680
tttcccgcc ccacctgtat cctggcttct gtccaccctc aaatagctgt ttgktcataa	1740
accctaaata ctagataatt ctaagttgga aggagacctc taagtcactg tagcattcc	1800
aaatcgccat tcccaagaga catgtggatc tgacatcggt ttttattctt gactgagcct	1860
cgcayattt ttctgtgtgg aacaaaggca aaggcagccc aagaaccgg gtccttgcc	1920
acagtcagct ttagaaatg attgtgaact tgggaagcat ttaaatagca atactagaca	1980
gttaaatggaa aaggccaaag tcagaaaata agtagggatt ccaaaggaaag cctttattgg	2040
ttgggctagg ctgggcttagc tggaaagat agacttctat gtccctgccc caaccacaat	2100
tttactttaa ttattatgtat attagtgaat cgatgtctgt caccgtctgt agatgctgag	2160
gtcttggtaa tctcttatt tgcattgata tacatagcca ttgctcaata aatatgtgac	2220
ccatgaaaaaa aa	2232

<210> 27

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (21)

<223> n equals a,t,g, or c

<400> 27

ngngntgacc tatanangta nccttcagta ccgtccggaa ttccccggtc gacccacgct	60
tccgaggaga tgcttcaaaa tgtcaattgc tttaaactta aattacctct caagagacca	120
aggtacattt acctcattgt gtatataatg ttatataattt gtcagagcat tctccagggtt	180
tgcagttta ttctataaaa gtatggtat tatgttgctc agttactcaa atggtaactgt	240
attgtttata ttgttacccc aaataaacatc gtctgtactt tctgtttct gtattgtatt	300
tgtgcaggat tcttaggtt ttatcagtgt aatctctgccc tttaagata tgtacagaaa	360
atgtccatata aatattccat tgaagtcgaa tgatactgag aagcctgtaa agaggagaaa	420
aaaacataag ctgtgtttcc ccataagttt tttaaattt tatattgtat ttgttagtaat	480
attccaaaag aatgtaaata ggaaatagaa gagtgatgct tatgttaagt cctaacacta	540
cagtagaaaga atgaaagcag tgcaataaaa ttacatTTT cccaaaaaaaaaaaaaaaaaa	600
aaaaaaaggcgc ggccgctcta gaggatccct cgagggggccc	640

<210> 28
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (409)
<223> n equals a,t,g, or c

<400> 28	60
gaattcggca cgagtgcagc ttcattttgg gctgccttag ccatgaagct ccttttgcgt	120
actttgactg tgctgctgct cttatccag ctgactccag gtggcaccca aagatgctgg	180
aatctttatg gcaa atgccc ttacagatgc tccaaagaagg aaagagtcta tgtttactgc	240
ataaaaataaa aaatgtgctg cgtgaaggccc aagtaccagc caaaagaaaag gtgggtggcca	300
ttttaactgc tttgaaggct gaagccatga aaatgcagat gaagctcccc gtggattccc	360
acactccatc aataaacacc tctggctgaa aaaaaaaaaa aaaaaaaaaa araraaaaaaaa	413
aagaaaaaaaa actcaagggg gggcccggtta cccattcgcc ctatgnnnnt cgt	

<210> 29
<211> 1122
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (948)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1107)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1116)
<223> n equals a,t,g, or c

<220>
<221> SITE

092724632 • 026102

<222> (1121)

<223> n equals a,t,g, or c

<400> 29

ggcanagcta accgcagtct ctactacttc ctttcgccc ccacacctgtg ctacgagctc	60
aactttcccc gctctcccg catccggaag cgcttctgc tgcgacggat cttgagatg	120
ctgttcttca cccagctcca ggtggggctg atccagcagt ggatggtccc caccatccag	180
aactccatga agcccttcaa ggacatggac tactcacgca tcacgagcg cctcctgaag	240
ctggcggtcc ccaatcacct catctggctc atttcttct actggctctt ccactcctgc	300
ctgaatgccg tggctgagct catgcaggaa ggagaccggg agttctaccg ggactgggtgg	360
aactccgagt ctgtcaccta cttctggcag aactggaaaca tccctgtgca caagtgggtgc	420
atcaggtagg tgggggtgtgt gtgtgtgtga tggaaacat ggctgtgaac ctgaaccgct	480
tcccatgccc ctcctctgc agacactt acaagcccat gttcgacgg ggcagcagca	540
agtggatggc caggacaggg gtgttcctgg ctcggccctt cttccacgg tacctggta	600
gcgtccctct gcgaatgttc cgcctctgg ckttcacggg catgatggct cagatcccac	660
tggcctgggt cgtggccgc ttttccagg gcaactatgg caacgcagct gtgtggctgt	720
cgtctcatcat cggacagcca atagccgtcc tcatgtacgt ccacgactac tacgtgctca	780
actatgaggg cccagcggca gaggcctgag ctgcacactg gggcctggct tctcaactgcc	840
acctcacacc cgctgccaga gcccacctct ctccttaggc ctgcagtgct gggatggc	900
ctggctgcac agcatccctc tctggtccca gggaggcctc tctgcccata tggggctctg	960
tcctgcaccc ctcagggatg gcgcacagcag gccagacaca gtctgatgcc agctgggagt	1020
cttgctgacc ctgccccggg tccgagggtg tcaataaaat gctgtccagt gaaaaaaaaa	1080
aaaaaaaaac tcgagggggg gcccgggnacc caatngccc na	1122

<210> 30

<211> 778

<212> DNA

<213> Homo sapiens

<400> 30

gttctctgg ccaagaggag caatttttgt gccatcagca aaaagctgaa tttgatccca	60
cgtgtggacg gcgagtatga tctgaaatgt ccccgagaca tggcttacgt ttcratgtgt	120
gcttatgtgc ccctgagctg ccgaatcatt gagcagggtgc tagagccgg astggcagg	180
cttgtatgag gtggtaacgc tgctcaactg magtactt gcattcacag atatgactaa	240
ggaagacaag gttccagtg agtccctgag cctcatctt gtgggtttct tgggtgggtg	300
tacattctt gagatcttag ccctccgggtt cctggccaga gagaaggct acagggttcat	360
tttcctgacg acagcgtca caaacagcgc tcgccttatg gaggccatga gtgaggtgaa	420
agcctgatgt tttcccgcc cagtgttgac atttccctt aacacattcc tcagttagat	480
gcaggcatct ggcacccagc tgctataacc aagtgtccac caactacctg ctaagagccg	540
ggagcatgga acgtgttggg atttagagaa cattatctga gaaaagagtt cacttcctgc	600
tcccaggata ttctctttt ctgttatga agtacaaccc atgctgtcaa gatgcgagca	660
gaaagaggca tccttgcta aatctgttt gaatgtcatt gtaataaaag cttctgtct	720
cagatgtaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaaaggg gggggggg	778

<210> 31

<211> 2476

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (853)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2227)

<223> n equals a,t,g, or c

<400> 31

actcaagacc	ctgtgcaccc	ctcagcaggc	ctttgctgga	cagatgaaga	gtgacttgg	60
tctggatgat	tctaagaggt	tatcaatact	ctggctgacc	atcgatcatcg	tgggactgac	120
tttggggaa	gtccttggtt	acttattcatt	actgtgtttc	tgagaagtt	taaatttgc	180
atctccctct	gcacaagtt	ccttgggtg	tcttcctga	agactatctt	cccgtctcaa	240
aatggacatg	atggatccac	ggatgtacag	cagagagcca	ggaggtccaa	cygccgtaga	300
caggaaggaa	ttaaaaattgt	ccttggaaagac	atctttactt	tatggagaca	ggtggaaacc	360
aaagttcgag	ctaaaatccg	taagatgaag	gtgacaacaa	aagtcaaccg	tcatgacaaa	420
atcaatggaa	agagaagac	cgccaaagaa	catctgagga	aactaagcat	gaaagaacgt	480
gagcacggag	aaaaggagag	gcaggtgtca	gaggcagagg	aaaatggaa	attggatatg	540
aaagaaatac	acacctacat	ggaaatgttt	caacgtgcgc	aagtttgcgg	cggcggggcag	600
aggactacta	cagatgcaaa	atcaccctt	ctgcaagaaa	gcctcttgc	aaccgggtaa	660
gtttgcttgt	tttccttgct	tttggacata	gtctgccagg	tcaggacatg	gatacattt	720
tctccctacg	gctctgtgc	caagccctgc	agagggagat	ggcagagagg	aaggctgcct	780
acaaggatca	cagtcccatc	cctgttggta	accgtgttgc	gcaaaaacac	cttcatcccc	840
acccagtgg	gcnccccata	taatattcta	agtgtcagag	gttccgtatt	tgtatarca	900
aatgggcct	gactgtaaat	tagtgaagag	tgaatgtaac	ttattacca	cagggacaat	960
tccaaatgag	ggccctaaat	gatgctcagc	taagctgg	cttgcgtggc	ctctgtaccc	1020
tcaaaagctg	ccgagtccta	tgattrcacg	cgatggact	tgtacactt	aagtgaaaca	1080
cagttttaaa	acttgcttt	tttagaattc	ccacctcatt	tttccatgga	caaaagtatt	1140
ctttatgtcc	tagtgcactt	acaatttgg	attacctggg	agtgaaaaga	aatattacag	1200
ccatgcctaa	ctgacttctt	gaggtaagat	tgttctgtca	gaaaaccctc	tcccagttcc	1260
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caccagcaac	agaaggtgca	gacygtgtt	gtggcggtaa	tttgcctat	caaataata	1980
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ggccaccagg	cacccctcc	aactcaacaa	cattctataa	ytgataactc	cctgagccctc	2160
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cagcggatga	taatctcaag	acaccccca	agtgtgtctg	ctcactcccc	ttccaccctc	2400
agtggatgt	aatctsaaga	aactaasgaa	gaataaataa	ataatataaa	aataaaaaaaa	2460
aaaaaaaaaa	actcga					2476

<210> 32

<211> 691

<212> DNA

<213> Homo sapiens

<400> 32

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tggaaacagta	taaaaaacaag	atcttacat	taagagatc	tacattttc	tgtttacttc	180
ttgaatattt	tcctaattct	ttttatattt	gaacatattt	tgttgattt	tgctaata	240

aagtaccaa aaacttagaa ataagacaaa ttatcatttgcatgtttcc ttttcatac	300
tgaagtaatg tctaaaagat tcaccttggatatttttttcttctgaga ttgtacttttgc	360
tttgttttac tacttattac ttatttagggc cttggctctgtgaagttggatgttaacttataaatggat	420
tcataagat acgtgatata ttccaggtagaaaaaacaac cctacaagat	480
ttttttttc cagcaaaaca ttAAACAGCTtgcctcaaa cttagcaaat gtatttcatc	540
atgactttct taaactgaca acataacaac catttgaatt ttccttgaa ccagcttac	600
cacctgtggtttccttcatt atttcccaca ttatttagttt aaataaatat ttgacgtgtg	660
ttcactttaa aaaaaaaaaaaaaactcg a	691

<210> 33
<211> 700
<212> DNA
<213> Homo sapiens

<400> 33	60
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ctttgtaaaaatcaccacttaaagttgtttctaaagatattttaggacacc aagatgc	240
taatatttttggctgttacc tgctcttca ctactgctgatctgcagtg gcaagatagc	300
tacacagtac ctcagccctcctgctcagttttaaacatctattgataatactaattacaa	360
gaaaatttaaaatgtcttttgcaaaaaga taccataagc agtcaaaaca caattaaaaaa	420
aaaaaaagagagatgtaaacaattacttccggccgggtgcgggtggctcacacctgtatcccgagcat	480
tttgggagaccaaggcgggaggattgccttaggtcaggagatgtttcaagacca	540
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gtgacgcattgcctgtggctcaggactcg ggaggctgag gcaggagaat cgccctgaacc	660
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<210> 34
<211> 1722
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (413)
<223> n equals a,t,g, or c

<400> 34	60
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ggcccgagggtccagagggcgtgtgtctggctccgacgacttcaccttatccctgtggcc	180
cccagcagaggrcaaaaagctctcactcgatgacaggaaccaagcttcataacca	240
gggtctcttcctctactccgcacgtggctgtccatcgatgtttgacaagtccatcaa	300
gctgtggatggcaggacggcaagtacctggctccctacgcggccacgtggctgccc	360
gtaccagattgcgtgttcagctgacagtctgcctctggatgcggcagca	420
cactgaaggtgtggatgttaaggcccagaagctggccatggacctgcccggccac	480
atgaggtatatgctgttgacggagttccagatggccagagatggcaagtgtggaaagg	540
acaaatgcyclccgatccggatatggaggatgagacggcccaaaatctctgttgc	600
cgactcgccctgcactccctgcctcaggatgcaccaaaaggctgaga	660
cacaccctccccaccatggacctgagaatgcgtgtggctgtccatgcataagacc	720

ggaatgggt	tttcccacag	atccccgcct	gtggcacacc	ccagagccaa	aaatcgagg	780
tcacaggaag	ttgtcaactga	acttggcccg	tgtctgctac	tctgtacctt	gctggtag	840
acaggggtgg	tggcagcca	ggctctatga	gtggggccct	agtgtcagct	ctgtacaggg	900
tcagatccca	ggttctatga	ccaaataagt	aacttaagtt	ttgtgttgc	ggttctaatt	960
ccttgcctta	gaatccccat	gactcaatca	aggactgtgc	taaatgagat	tgccagccc	1020
ccgccttgc	actggactac	gccaaaacca	cactgaccag	gcacttgctt	tcctctctt	1080
ccccctgtt	ggtaagagag	aggccagttg	tgatagtggc	caaggagaat	ctagggctgt	1140
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agttccctcca	tcgcactggg	taaggcctcc	agtattggac	agcacacaga	aaggtttca	1260
tcatcaagag	agttctgctg	gtcagccctg	ctccaggggg	tgcctctgc	ttcgcatagc	1320
acactgctt	aggccctgcc	aggcaccaag	cactgccc	ggcccatggg	atagagcggg	1380
gaaggtgatg	gctcttccag	aggattccct	cagatgggg	ggcagcagta	tgagctctga	1440
gcagaagtgg	gtattgtga	tacagaggaa	gttctttgcc	acgagaact	tcaagcagtg	1500
aaaggaatc	ccatcaggac	tcagacccca	ggccgagatc	ttgcctgaa	tgtaccctgc	1560
ctctgtttc	tcctgcatcc	catgctaagc	agggtcatgg	tctgaacta	tcagattgga	1620
tttccaaacc	atcctgtat	aaactgctca	gaactaraaa	aaaaaaaaa	aaaaaaaaactc	1680
gagggggggc	ccgtacccaa	ttcgcctat	agtgagtcgt	at		1722

<210> 35

<211> 878

<212> DNA

<213> Homo sapiens

<400> 35						
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ggatgattgc	ggtgagcc	tcactatggg	tgtcatcggt	ggcggagtct	tccaggccat	120
caagggtttc	cgcaatgccc	ctgttggaa	tcggcaccgg	ttgagaggta	gtgcaatgc	180
tgtgaggatc	cgagccccc	agattggagg	tagttcgca	gtgtgggggg	gcctgttctc	240
caccatygac	tgtggcttgc	tgccgcttcg	gggcaaggag	gatccctgga	actctatcac	300
cagtggagca	ttgaccgggg	ctgtgcttgc	tgcccgca	ggccactgg	ccatgggtgg	360
ctcagcaatg	atggggggca	tcctgttggc	cctcatttgc	ggcggttggc	tcctcctcac	420
tcgctacaca	gcccagcgt	tccgaaatgc	gccccatcc	ctggaggacc	ccagccagct	480
gccccctaag	gatggcaccc	cggcccccagg	ctacccaggc	tatcagca	accactgagg	540
aagccactgc	caccatggg	gttacttctc	ggttccctcc	ccatgggtct	acctcgaaagg	600
gagggctggc	tcccagttt	ccctgggacc	ctccagagag	gttttctact	ctgctcccta	660
gtccccaggt	gggggtgggg	cacccca	gcccgtacag	atgggtcccc	tttttctctc	720
tcagggcacc	ccagcccccac	actcacatgt	acgaagttct	cacccca	ccttgcgtg	780
gcaccctgtat	gagtatttaa	agcccgtttt	gaaatgccwa	aaaaaaaaa	aaaaaaaytc	840
gggggggggc	cccttaaccc	atttgccct	taaggggg			878

<210> 36

<211> 954

<212> DNA

<213> Homo sapiens

<400> 36						
gaattcggca	cgagaggaag	agcgccagag	cctgctgccc	attaacagtg	gcacagagga	60
ggggccaggc	acttccaca	ccgaggcag	ggcctggcca	ctccccag	tcagtcgccc	120
ccagcgcacc	ccaaaggat	gggggttcac	cacctgcacc	gcaaggac	ctgtacccag	180
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accaggactg	caaggagtcc	ccacaccc	gcagctcagg	gtccccag	caagccctt	300
acccctcttc	tatccagacc	cgcacagctg	tttcctgtgt	ggatgggg	aggttgtgg	360
ccatgcagg	cctgtcagct	gcgttgcact	actgcagcag	tttgccctat	gttttccct	420
ttttcttaga	atatttattc	ttcagaggta	acatgcagtt	gggtctcaag	acccctctc	480
caatcagccc	aaccagccc	agactgggt	tttctgggg	gctgaggagt	ttatcgtat	540
tcatcttcca	tcctttcata	gtcacaagtt	ttgttat	gtttttttt	gggggtgatg	600

gtgttaattgt taacctcatt tccgtttcct acctgtttgc ttccccccc agtcctccgc	660
atgagctgtt gccctccagg ggcctggcac agctggcctt ggggacgagg gagaggactg	720
attcagggcc ccctcagctg tctcctccct ccctctggaa aggaggggtgg ggctcagggg	780
cctcaagctg ggctctgtgt gaggcctggc ccccactccc aaccttggct ctagactgtt	840
actcttaagc tttgagaaat tttcacattt atgactattt taaaatcaa taaaactatt	900
ttactggtaa aaaaaaaaaa aaaaaactcg agggggcccc gtacccaatc gcct	954

<210> 37

<211> 793

<212> DNA

<213> Homo sapiens

<400> 37

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tggctaaca ttcttcctg ggcaggatgt aaaatttcc tctcctctaa taccagtact	180
gttgagctca cattctccca ctttccctt tttcaggtgg ttcacgtatt tgggatttta	240
tgaaacctca gaagcagaca tgtaacttt tcttatcttt ttatcccctg aggtagtcct	300
ggggctctta agagattaca gttttaaaaa cctggaaagt gacaccagag aggtagatct	360
tagttcccaa aattaaagtt actttcttagg gcataaaacc ttttcagaat tcagattaa	420
tttttattat ttttctttt ttctgttaacc ttatatttga gggaaaatt ttatttcaa	480
cttttgcata tatctaattt aacattttggg aaaactgtaa atggccaaa gtttctccct	540
ttatatgatt ttccagattt ttaccacttt cttagtgcca cttgatgcta ggcattgtct	600
attggagact cactggtagc taactgcagg ttttaccatg gaaccacata tacacatgtc	660
ttggaattga gggtaggtt ttccagaagg acttagttgt cctgtgcttt tgtctgcccc	720
atgccaaaga ccactaagaa cagtttgc agtgaaactt gggctcacac gttaaaaaaaaa	780
aaaaaaaaaaa aaa	793

<210> 38

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (42)

<223> n equals a,t,g, or c

<400> 38

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gcgggtggcgg ccgctctaga actagtggat ccccccggct gcaggaattc ggcacgasca	120

cacttgtacg ctgtaacctc atctacttct gatgtttta aaaaatgact tttaacaagg	180
agagggaaaa gaaaccact aaatttgct ttgtttcctt gaagaatgtg gcaacactgt	240
tttgtgattt tatttgca ggtcatgcac acagtttga taaaggcgag taacaagtat	300
tggggcctat tttttttt tccacaaggc attctctaaa gctatgtgaa attttctctg	360
cacctctgtc cagagaatac acctgcccct gtatatcctt ttttcccctc ccctccctcc	420
cagtggtaact tctactaaat tggtgtcttg ttttttattt tttaaataaa ctgacaatg	480
aaaaaaaaaaa aaaaaaaaaa aactcgaggg ggggcccggt acccaattcg ccctatagtg	540
agtcgttatta caattcact	559

<210> 39
<211> 1263
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1091)
<223> n equals a,t,g, or c

<400> 39	60
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atgaattaat aggttataa taaccatcaa ctaagggaaag ccctagaaca agaaataagg	180
attttaattt gcatcaaaa cctagttacc ataaaaacca atgcaataacc aaaatatctc	240
agtttccttag catagactcc aggtctttc atttccaata cttggcagtc ataatatgt	300
cactttcata tgcacctggc tggggaggaa taagtcatt cacataggac tacaaatatc	360
tctcacaggt aggagggcac aaaagaacaa tattttcctc cactttttg gttccatctt	420
aaaaaaacaaa aaaggcactc ccaaagggttc cttggtaaca cttttgttag gtttcttaat	480
tactaacata atcttacat gtaaggttaa tggtccactc atttcataga tctggaaacc	540
atcaggcatt ggaactgcct ttaactcaca tgccaaacaa ctggcttct taaacaatga	600
aaaaaaactgt atactgttt taaaaacatt tgggcttgc ttccykgaca acttatatat	660
gcttaatcac tggactttgg catgcagagc caaacatatac atggactga aagaaccaca	720
atatgacatg gtgacagaag actctttgaa tcattattct gttttccact atcagctgt	780
ccagctccct tatactaatac caactttgtc cctcagagca cccatgtctt gAACCTAGGT	840
ttaatctctc tgctgaaaga ttattaaag atacttagat aaattaccaa gtctttctct	900
acgatcatca aagagtaagg gaagtcaaatt gctcatgggc agttgtccac tattcacaga	960
atctttagaa actatggcc tgaggccaag gagaatttgc tttatcacta aatctgaccc	1020
atgttgggcc atactaaaac tgcacttggg tactagtctc aaatcaaatt gagcttatgt	1080
attgctctac atttattgca tccccatgtcg tggcaattt ctgatgtctt gAAAGAGAAA	1140
tacggcaatt naaaggcttc accacaagcg tcacattcca tgggtttcct tgggtttca	1200
cctctgcatg gatctctgtc tggttgacaa gatgcgtgt tgactgaaac ttttgcgtca	1260
cttctcacac ttataagggtt tctctccctgt gtgtattctc tgatgtgaa taagaccgaa	1263
gtt	

<210> 40
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> n equals a,t,g, or c

<400> 40	60
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attggcagga gattatccag aacatctagg tgcaaggtaaa cagttctaaag tccaagaagt	

tatggaggga ttgatgctac cacttctaag tggatattat tctgaaggaa ctgtatggga	180
ggagatcatt gtttctggaa gacagtacta ttagttatat agatggttct ttctggttct	240
gaatgactaa tcagtcattc agtcaataac actgaccacc tactatatgg tagtcattgt	300
tcttaggtatt gagcatgtaa tggtggaaga taaatggcag atgagaatcc tgcattttaga	360
accttaagtc tgattggatg gcggaaagaaa tatagtttat aagcataatt ttaggtatgt	420
attcatttcc aaaaaaaaaa aaaaaaaaggg cggcc	455

<210> 41
<211> 1128
<212> DNA
<213> Homo sapiens

<400> 41	
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ttatctagtt tttttttttt tcttttttgg aaggatggtg tgaaaaatag caagattaga	120
gaatgagttg tatagttttt tctatcacat ttcatctaaa atgattgaa ggacttttga	180
agatttttac caacatcctt aaatcaactc caggttggat gaacaactga tttaaaacaa	240
actaagagaa cattaactag atgtgggctt tttaaaatat ataggtatttgcatttcctac	300
cttggattttt attccacttt gaatactta gagggtctaa cttaactc tttaaaggtag	360
taatggatag ttttatactt gttctcacaa aattgtttagt gtcagtttat atcattgctc	420
catgcattga ttataaaaat tcagttat tttttctga tcttataagc tttataggag	480
ttttcttttc tcttataaaag tgtttcacct tatgtaaaac aaatgcctgc ttgcataattt	540
gaagatgttg aaattagtt tagacaaaag tggccatca attcagacac tctgcttgg	600
tgccttaccc ttttcattag tgcattttt gctctgaaa cttggcagaa actcgtagc	660
cagtccactg ctttctgac aatgtgttgg gtcacgtatg cttggatataat gcctttacta	720
cttttaaagt tctacagttt attacttgcc caagtgttac taaatcctt tcttatgtgt	780
actggatggaa gaaaaattttt tagccagcac tttgagagga aagttttcag aaacaatatt	840
aactggcact actaactgaa ggccacagga gatgtatca atgttatttgc taaatctgaag	900
attgaacaag gctgtgaggc tcatttcaaa ctatttttagt gtgttaaaat atatataatgc	960
tgtttctca gtttccact caaacccgtgt taggactctc aaaggtaaaaa tgcacagg	1020
gttttcagt tgttacagag ctcagcagct gtggttgccc ctgttctaca ccaatttcag	1080
ttcaataaaaaa atgttaactt tgcaaaaaaa aaqaaaaaaa gggcggcc	1128

<210> 42
<211> 648
<212> DNA
<213> Homo sapiens

<400> 42	
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ttctagaact ttttttagttt tagggtttat atttaggtct gtgatccatt tgaatcaat	120
attagcatat gaggcaaat ggagatcgaa gtttttattt ttccttatga atacccagtt	180
gttccaacac cacttattaa aaacactata ctttatccac tgagtttgg ttgtaccttc	240
atcaaaaacc agtttcaat atatctgtgg attaaattttt ttatttttat gtttattttt	300
agagacggtc tcactatgtt ttccaggctg gtcctaaact cttgtcctca agtgcatttc	360
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gttggaggctg cagttagccg agattgcctcc actgcacttc agccccggca atagagttag	480
atcctatctc aaagaaaaaa agagttatttgc ttttatatct tttttatcc attttctttt	540
aaccctttat atccttataat taaaactaga gtttctgtca agtgcactcc agcctgggtga	600
caaagcaaga ctccgcctca aacacaaaaaa aaaaaaaaaaa aaactcga	648

<210> 43
<211> 736
<212> DNA
<213> Homo sapiens

<400> 43	
tcgagttttt tttttttttt tttttgagac tgaatttcac tcttggtgcc caggctggag	60
tgttaatggtg caatctcgcc ctggggcaca gagcgcgact ccgtctcaaa aaaaaataaa	120
taaataaaaat aaaattaaaat taaaaaaaaa aaaaaaaaaagt ctgtttgaa aaccaggatc	180
catagacttc tggcagtcat ttctggggtt taattttgga tgtgacaaag gtttgggtcc	240
actggactta atttttcac atcgctctaa cttttgaaaa cacagataca gtcctttgc	300
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acagtaatat catgtactac tttgtcaaaa aaattttctg gaggttttc tagaggaaga	420
aactaaagata acaaacaacaa aaaagacaaa tccaaatgc ttacttgaag agcgactact	480
catgtttcta gagaattttt tggtcataact atgtcatggg gttatttcct gggggcttca	540
gttctgcttc agaatttctt tagtagttat ctactgaccc catctggtaa aattatagag	600
gaagttacag tcgttaaagc ttctgtcaac tcgattttca aaaaattttat gtaaagagat	660
attttaagag aaataagaaa ataggagatc agggcaaatg aatctaaaga tcttttagctt	720
tactcgtgcc gaattc	736

<210> 44
<211> 600
<212> DNA
<213> *Homo sapien*

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<220>
<221> SITE
<222> (547)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (549)
<223> n equals a,t,g, or c
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<400> 44
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tgagggaata acttggttt ctgtcctcag ttttctcaa tttcaatcca tcttataaaat 120
cccagcaaaa ttaatttcc taaagacact tttagaattt ctgcaatagc tccttgagat 180
caggatgcc aggatattca ttctgttcat gacactagct agcacattt atcagcgctt 240
gttaaacgat tctcaaccc aagatcactc ctagggaaaa aagtctccaa tggcttccg 300
ttgccttcat ggtattaaac ctgcaattcc agagctcgat atttaaattt tttagggggc 360
tggaaatttct cataatactc cttgggtatc tactaaacac taagtactag gcatacagaa 420
ataacagata cacttgggtc aggacacggtg gtcacgcct gtaatcctaa cactttggga 480
ggccaagggtg ggtggatcgc atgagctcaa gagttcaaga ctagcccagg caacaaagg 540
tcctgtntnt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagggcggcc 600

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<210> 45
<211> 687
<212> DNA
<213> *Homo sapiens*

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<220>
<221> SITE
<222> (57)
<223> n equals a,t,g, or c
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<400> 45 aattcggcac gagaaaaaaat aaaaaaaaaata agccaggtgt ggtggtgggc acctgttnatc
tcagctacgt gggaggctga ggcaggagaa tctyttgaac ctaggaggca gaggttgcag.. 60
120

ttagccaaga ttgtscacgc ctggcgaca ggtgaggctc ttgtctcaaa	aaaaaaaagtc	180
cacatcttca tgaaccctca gactctggag ttgggtgtcg gcttttttag ccagctttg		240
tggaaattgc ctttgaccta ttaaagaagg aaagtggta atggagtc	ccc agccactcaa	300
gagactggat atcccccgag aatggcttgg gttaccagct atggaccctt	ggaagatgaa	360
tctaaccctt ctcactggtt ttctttgc aattcatttgc	cttttatttt tctaataaca	420
ataaaactcta tttccatgt tctcaggccc cctgggtaga	cagacacagc ttgatttcag	480
agcagacata ggcgaagaaa acatggcatt gagtgtgctg	agtccagaca aatgttattt	540
atacacat ccaaatttga agagaaaatg tatttcttta	ggttcaaac actgtaatag	600
atataaagca aaaataaaaaa cctgttgcaa agtcaaaaaa	aaaaaaaaaaaaa aaaaaaaaaaaa	660
aaaaaaaaaaa aaaaaaaaaaag ggccggcc		687

<210> 46
<211> 697
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (394)
<223> n equals a,t,g, or c

<400> 46		60
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agaacaattt acttttagata actgggttta gttttnctt tctttcttga	cggaagcaaa	180
acagatatgg gttctaccctt caagaagttt tagatgaatc	agagatatac acataaaaata	240
aagaactataa aacaatttca ttacgcttta gatactgttata	ataataaaaaa agtacaggga	300
acaataataat catataacag agggataaca tcacacaggg	aacaacagta tcacatagca	360
ggatatataa caaggatccctt aggttacccgt gtctggatata	atacaaggat cccgggtgac	420
ccggctctggc tggtaagagg ttcccttgaa aancgttca	gtgagagctg agagagaagc	480
aggcagagca agktgtatggg gcagggggtgg ggagagagca	gaagcgtgac/ccaagagggt	540
cccaggccaa aacccttgca ctcagtgtact ctgaaagaat	gcagaggggc tggctcaa	600
agctgcagct ggaaaggtaa gagggggccag gcactgcagc	accatgttga tcacactata	660
aactttgaat atcatcctaa gagaaatggg aaaccaatta	tggattttta aaaggaaaata	687
tttttatttc catttaacc ggacgcgtgg gtcgacc		

<210> 47
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3)
<223> n equals a,t,g, or c

<400> 47

ntnctagcac tcaggagtcc aaaccattgc ttttgggtta gaatgcatga agaacatgca	60
cgtcttatctg aactacaata actttctgt tartctactt aggctaattgt tgaacatttg	120
ttcattcaca caaccactgg tggcagaaga agagagacct cttacaccac tatagcatag	180
gagctgcaat gtcacatgag tttaaaaga tgctytttaa agaaaaaaaaaa aaacamgrag	240
sargaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggg	286

<210> 48
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (843)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (847)
<223> n equals a,t,g, or c

<400> 48	60
ggccgccctt tttttttttt tttgataaaat acaaagatac atgtaaagtt ttacttacct	120
gattttaaaa acaggctacc aaaatttatac caaatatatt aaaaaatgag actgttttaa	180
aaacctttcg tttccatatt gtgactccac taagcgggta aaaagttcag gacagagatg	240
gaaaggaaag aaggaaacag gaagaagtga aacttaggaag gtgggtccag tggcacatgg	300
atgaagaaag agagatcatc agccatggag aattttgtaa tgtaagtaga gagagagatt	360
gggttaggaag acaggcttca cagtttgcgtt agttaaggaa aactaccat cgtaccctgt	420
cattgactag ggctgtgagt tatgtatc tgcattctctc tgcaaaagac ttaccacttc	480
tggcaagtga ttaaccactt ctggcaactc ttcatctt cttatcctt aatattcatc	540
tacatcactc taaacagcac agccccagaa gcatggaaag gggagttatt agatggaaa	600
ggggagttac tcttctggtg tagtggcccg attgagtcca tggcttccca gccttaccag	660
agctgataaa aatgtcaatt cctttgggc caatcttgcct cctccagtgt gtttagccc	720
taatgaggtc atggttattt cttagacttct gagacttact gtggcttga attgacacaa	780
acactaattt tctgtcaaag gctagagtga tggatgttat atgcctgcgg acgcgtgggt	840
cgaccggga attccggacc ggtacctgca ggcgttaccag cttccacta tccgtgcgtc	858
agnncnact gtaaccct	

<210> 49
<211> 1307
<212> DNA
<213> Homo sapiens

<400> 49	60
gttcgaccac cgccgtccggaa gcccgcgagg agaggccgcg gccccttccc gttgcctgcg	120
gccaccggcc ggcattcaga gcccctcgcc tggcgctaaa tttaaaaaacg taacacgagc	180
agcaggctgg tctcgaaac gaaacgaaat tcggtccctg ggcctccctcc cgggcgtgc	240
cggtccctca gcgccgcgcg ccacccggaa cagacccttc tcccgccatt ttcggcgggg	300
ctgggagact gaggccgcg ggcgttgcgc tgccgcgcg cggaaagaggc gggcggcatg	360
gcccgcgtggcg tggactgcgg ggacgggtt ggcgcgcgcg agcacgtttt cctgggttca	420
gaatatttaa aagatgttca aaagaagatg aaaaatgggc taatgtttgt aaaactgggt	480
aaccctgtt caggagaagg agccatttac ttgttcaata tgcgttaca gcaagctgtt	540
gaagtaaaag ttttcaagga aaaacaccat tcttggttta taaatcaatc agttcaatca	600
ggaggtcttc tccatcttgc cacacctgtt gatcctctat ttctgttcc ccaactacctc	660
ataaaaggctg ataaggaggg gaagtttgcg ccccttgcgc aagttgtgggt ggataacgtg	720
tttccaaattt gcatcttgcg gctgaaactt cctggactt agaagttact tcatcatgtt	

acagaggaaa aaggtaatcc agaaatagac aacaagaaaat attacaagta cagcaaagag	780
aagacattaa agtggctgga aaaaaaggtt aatcaaactg tggcagcatt aaaaaccaat	840
aatgtgaatg tcagttcccg ggtacagtca actgcatttt tctctggta ccaagttcc	900
actgacaagg aagaggatta tattcggtat gcccatggtc tgatatctga ctacatccct	960
aaagaattaa gtgatgactt atctaaatac ttaaagcttc cagaaccttc agcctcatg	1020
ccaaatcctc catcaaagaa aataaaagtt tcagatgagc ctgtagaagc aaaagaagat	1080
tacactaagt ttaatactaa agatttgaag actgaaaaga aaaatagcaa aatgactgca	1140
gctcagaagg ctttgctaa agttgacaag agtggatgaa aaagtattga taccttttt	1200
ggggtaaaaaa ataaaaaaaaa aattggaaag gttgaaact ttgaaaataa aatctagcaa	1260
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggcggcc	1307

<210> 50
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (606)
<223> n equals a,t,g, or c

<400> 50	60
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tgggaggctg aggatcaett gagcccagaa gttgaggct gtagtaagct tcaaaggcca	180
ctgcactcta gcttgggtga ggcaagaccc tttcaagcag taagctgcat gttgcttgt	240
tgtggtcatt aaaaacccta gtttaggata acaggtctgc ctgcatttct tcaatcatga	300
attctgagtc ctttgcttct taaaacttg ctccacacag tgttagtcaag ccgactctcc	360
atacccttaa aaggtatgac aggaactgtc ttcatgtcct tacccaagca agtcatccat	420
ggataaaaaac gttaccagga gcagaaccat taagctggtc caggcaagtt ggactccacc	480
atttcaactt ccagtttct gtctaattgcc tggctgcca tggctgagt taggcttgc	540
ctttaggact tcagtagcta ttctcatcct tccttggggc cacaactgtc cataagggtgc	600
tatccagagc cacactgcat ctgcacccag caccataacct cacaggagtc gactctact	606
cttagn	

<210> 51
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (22)
<223> n equals a,t,g, or c

<400> 51	60
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agcaatgcag caaaagtggtg cagaacacag gagctggagc cattcagacc caagtccaaac	180
tcttgacctc gcccacttcc tctacagtcc tgagcaatta cacctgccaa gcaccttccc	240
aatggacaga ctggcaggcc ctactccaa caggcatcca gactgagcat caccaaggat	300
gggacaaaaca gaagcaatgc aagagaaaat gcaaacacga acatgcacca ctacaccaca	360
acctatggaa acaatcagggc aaaacaagac taggagacat atgacaagaa aacaggcctg	

gacgcttcaa aaatgccaat gtcacgaaag acaaaaactg ggcatgtct tctggatcaa	420
aggagactaa agagatataa caaccaaaca caataaaaact atccttagatt acatcctgga	480
ttttttaaaa gaaaaaaaaga acaatttggt aacaactggg gaaagtgtta atgtggctac	540
attttaa	547

<210> 52
<211> 865
<212> DNA
<213> Homo sapiens

<400> 52	
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aaaaaaaaaa tacgtcccc ttggtaact gatttttaa tccagggtgg acatttttc	120
aaccttatt aaaaagacaa ataaactatt ttgtagaaga tcagactcct acttaactgg	180
aagagaaatg tctattaaat gtctctcctc tttctctggg tcaagaccat gtaattttat	240
gcttcagaga tgaagatact gtttgttac aaagagtttta gtttttaaga catccaaac	300
tctatgctag agaaaaatc aaatagcaa ggacacttagc cagaaaatac agtgtgtgt	360
tgtcacctg tgtgcctgct gaacaacttg acagtgtaac agataaggtt actgaagatg	420
gtggatattt gaattgttatt agcttaatgt ctacatatct ttggccaaaa ctctattgtc	480
atattagaaa catgttatct ttttcatgtt tattagtaat ttattttga ttctttgtt	540
tcttttctgt ccaactaaaa caactgtaat gtacttgata catttatatac aagttctaaa	600
gtattttagac aaatccaaat actttgttt tagtttttc ctcccttcca tcctgttaac	660
cacagtgaaa cgctgcagta ttttgatttg gtcagtgcata cggaggaaga ccatgaaagc	720
tgaattggtc tgtgccaccc agagtaaacc tcttctcttc ttctggaaag atggcgtgat	780
gtttttcaag gattctaata aatatccgc agtcatctcc tgaaaaaaaaaaaaaaaaaa	840
aaaaaaaaaaaa aaaaaaaaaaggg cggcc	865

<210> 53
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (309)
<223> n equals a,t,g, or c

<400> 53	
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cttagtaagc atcatgacat catatataat caacctatct ttcttcttac ctttggcaac	120
tcggaaggc agtgctaagc cttgtggta accctagtag tgacatccct tcttatgtct	180
tagtaatcgt cttatcagaa aatatcatat aaaataaaaca caaagtaaac ttttactta	240
aaaagatctg tagatattc actaactcta ttaatgctt ggtatagct atttaatcta	300
taatcctgnc ctagatcaag ttttgaggcc tcagtgttat tcattccttgc ggctaagagc	360
cactgaaatg ggataattat tggtacagtt acttcctcct tttaaatggt ttctgttctg	420
ccatTTactc tttatTTgaa attgcTTCT tttaaaagt attctaata ttgtaaagcta	480
tttggaaaata ggtgagccat aaaaataaaat attaataatg tatttctaattatctt	540
aacaaaaata ataataaaata tccacttag aaaaatttggaa aaatcatgaa ggtataaaata	600
ctaaaatcga aattctctat aagatcaata ttcatggg acctcaggca aacacagaaa	660
ttaaagttaa aaaaaaaaaaaa agggcgccc	689

<210> 54
<211> 515
<212> DNA
<213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<400> 54
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 accaggcaact aatcacctgg tgaggatttg gcatatccac caaaaaatgc atccgattta 120
 accaacatct ccaccagcgc tacggactcc tcccaattct gacatcttgc gcagacaata 180
 ctatgctctc tacacactgt ttagaaatgg aaaggtgatc tgcactgtat cttgggtttg 240
 ttggctatgc ttcccttgat gacatatatt atacagtata tatatacata tatttwwww 300
 gtagagttc tagccatttt atttctccgc agggccctt ctcagacatt actgcattgt 360
 gtatatggcg ttagctgtgt gttgatcttc taaaagatga tagagttac tggtaattgt 420
 gtaatcagct cctgccttt tattttcttg ggttatttac atgtcagaga catttataaa 480
 aagtgaaagg ataaaaaaaaa aaaaaaaaaa ctcga 515

<210> 55
 <211> 747
 <212> DNA
 <213> Homo sapiens

<400> 55
 aaaaaggaag aaaagaaaaa aaggaaacca gccctgtcat ggaatttctc tccttccctg 60
 cacagtaaag acttttgggt tttcatggat aaaatcaatg tcagttactga aactcctaact 120
 ctccccctccc gccccactct cccccgttgc ccgagatggc caagttcagg cctgtgcaat 180
 gcccgttccc tctgagcctc cctctcaagg gccacgcagg cagctgcagg agggccagct 240
 gcaggatggg gctgccggtc actgaattgt cggttcaaattt catcatctt gtggcgcttt 300
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 ggggcacgtt taatggctc ccagcagcgt ggggaggtgct tctatgggt gtgggggttt 480
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 aaattacagc agcacattac agtgcactgg gttccctcct ggagtgaata caaaacggagg 600
 gcatctactt gtattttag aagttttggg agaatttagt gatttgcgttgc twtgatcaat 660
 cctgttactt ggtgtatgtc tgccaaacc tgtttcaat aaatcttttgg ttaaaagtaaa 720
 aaaaaaaaaa aaaaaaaaaa aactcga 747

<210> 56
 <211> 676
 <212> DNA
 <213> Homo sapiens

<400> 56

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gaattcggca cgaggacgag gtaaaattat tagaatggag tatgtcatca ggtctttcc      60
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atatttttgt aaaaagcagc tgactcacat cccatccaaa tccccagtgc ccttcagatc      180
cttcacaaat ttggcattca gcccaactct tgccaattgc ttcccttcct cccaaattccc      240
acatgtctcc ttccctacgcc atctgcttct ccccttcctt tcgattagt gcttcgtct      300
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attatgtatt ctatttattt tccaaaataa attttctatt tgggatttaa atatggttaag      600
tcaaacacaac ttattgtac cagtcattgg attgaataaaa tgactaaaaa ataaaaaaaaa      660
aaaaaaaaaa actcga                                         676

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<210> 57

<211> 832

<212> DNA

<213> Homo sapiens

<400> 57

<210> 58

<211> 1003

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (700)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (758)

<223> n equals a,t,g, or c

<400> 58

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catccggcgg	gctcaggag	cgagtggag	cgccctcccc	ccgctgcccq	ctcccccgag	180
catcgagaca	agatgctgcc	cgggctcagg	cgctgctgc	aagctcccgc	ctcgccctgc	240
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tgctactcat	ccccgcccac	cgtgaagctg	ccaggccaaac	aacttctcct	ctgtgccgct	360
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gcgtgcaccc	cgcggccttc	cgcggcctca	gccgcctcac	catcctctac	ctgttcaaca	900
acagcctggc	ctcgtgtcccc	ggcgaggcgs	tcgcccacct	gccctcgctc	gagttctgc	960
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<210> 59

<211> 702

<212> DNA

<213> Homo sapiens

<400> 59

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gttgaagaaa	cacaagaaga	gaaaattaaa	ctggagtgcg	agcaaattcc	caaaaaattt	180
agacactctg	caatatcacc	aaaaagttcg	ctgcatagaa	aatcaagaag	taaggactat	240
gatgtatata	gtgataatga	tatctgcagt	caggaatcag	aagataattt	tgccaaagag	300
cttcaacagt	acatacaagc	cagaaaaatg	gcaaattgct	ctcaacctga	agaatctaca	360
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gagaagcagc	agcatttgag	tcaggcattc	atcaaccaac	atacagtgg	acgcaaggga	600
aaacaaattt	gtaaatattt	tcttggaaagg	aaatgttatta	agggagacca	gtgtaaattt	660
gatcatgatg	cagagataga	aaaaaaaaaa	aaaaaaaaactc	ga		702

<210> 60

<211> 1095

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (202)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (556)

<223> n equals a,t,g, or c

<400> 60
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 taaaaggaaac aaagcaatacg tttggggga cgcccgcccc ccaccccggt caccccgctc 180
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 ccacctgggt gcccctgcggg gcggcatccg agccctgtt tctcctccat tcatgtttaa 480
 ttgcatac aatttgtga atctcaggtt aatgagggtt ttgcattaa tgagttttat 540
 ctgcacaggc gccgcntcgc ccccgcccccc tttcgccac akcaaaaatg catcaagtct 600
 ccacgtgtt cggggcaggg cgtggcttgg cattgacattt catgaccta catagtttta 660
 gagaagccat aacgttagac tgcaatacta acgaccgacg cccctccggg cagagaccac 720
 cgcgcggccctc tgccggccctg cgacgcggcc cgccgggacg tcgctgtccg tccgtctcg 780
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 ccagcgcattt ggcggggggcc cccgcgagtt agcttagacc gtgggtgtcc ctgtccgtct 960
 gtcctgcgcc tgccctccctt cctgcattttt gggggccctg cgtgtttttt ctccggatgg 1020
 aatcacagcc aataaacacc agtgattca aaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa 1080
 aaaaaaaaaaaaaaaa aaaaaaaa

<210> 61
 <211> 867
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (831)
 <223> n equals a,t,g, or c

<400> 61
 tcgagttttt tttttttttt ttttaagta gagatgggg ttcaccgtgt tagccaggat 60
 ggtctcgaaac tcctgaccc tcgtatccgc cgcctcgcc tcccaaagtgt ctgggattac 120
 aggcattttttt cactgcggcc agccggcttt tttaaacatt ccccaaggactt gtacagccaa 180
 cccataactca cctgacattt gggaaactccc ccccaacggcc ataactgtatc tgcaaggat 240
 agaccaagag caagaatggg ggattcacat ctaagggtctt gtatggctt atgaagggaa 300
 aagaatcagc gaacaaaagc ctcttaggttt ttcttaccac aaacacccctt ctgcccac 360
 gctttgaaag gggcagaatg atatggcg agctgcccac ctgctacagt gaaggatct 420
 ggagaaatac tcacactttt aggtgtctcg ccttttcatc agccagctt aacttaagcc 480
 aatgacccca cgggagctt cacaagtyca aacaggccca aatgcattca tgagcagggg 540
 gaggccaaag gactccggag gagagaggcc caataaggctt ggtgttattt ccgatccata 600
 gagagagcag aggtggcag gccccttttttga ttaatgtatc attttttaat gcaagcttca 660
 aaatccgggtt atgcccgggtt agaatgagca ggactaacac ctgggtgtca tggcaaggct 720
 ccagggccga ctggccagag acagatccgc aagaggctt gcagccagct ctggtgccaa 780
 gcccactcgga ttgtacccca ggtctcttca ggtcagctgtt gtagccttca ntgaaycacc 840
 tgctatgacc aatctcgtgc cgaattt 867

<210> 62
 <211> 1134
 <212> DNA
 <213> Homo sapiens

<400> 62

tctgaaggc	tcagttcct	agatgttcta	cactttc	gaccatttc	actgaaccct	60
atttgattt	ctgaaagcat	atttactaat	tgttgcact	taaagggtct	tttacccatg	120
aataacaat	gctttaaaa	caattca	ttctaaattt	atactggctt	aagatgttgt	180
tccagtgtca	ggtattgtt	tcgattttt	cttccctaga	acctgtcctt	tccagtggct	240
ccagtagact	tgtatttat	aatcttcaa	atattatgt	gcttggtaaa	cttcccatca	300
tgatcttgtt	cagttctca	actcatgtc	aaaagagatg	actagcatgg	gaggctggat	360
tccagtatct	gttttagtgc	cttatttagt	cctcttagct	tagttcttt	tgatgattca	420
gcgtccagat	aatccaaggg	agtactgt	atcatagggg	tttcttagtag	aatgcaatca	480
tgagcccctt	aggaagttt	ggtcaataat	aaaccacaca	tagggtggtg	gtccccctaag	540
attataatga	agctagaaaa	ttcctcttcc	ctagtgagtt	gtagccatcc	cacactatag	600
tagtgcacg	cgttactcac	tgtgtttgt	atgtgctgg	tgtcaacaaa	cccgactac	660
cagttgtata	aaagtatagc	atgtacatac	atttatatgt	agtacatata	ttgataataa	720
atggctgtgt	tactggctt	tgtatttact	atgtttttt	attgttattt	tacagagtac	780
atcttctact	tattaaaaga	agtttaactgt	aaaacatcct	caggcaggc	cttcaggggg	840
tattccagaa	aaaggcattt	ttatcgtagg	tgatgacagc	cctatgcacg	ttttcacca	900
gtgggatgaa	atatggagat	ggaagacagt	gatattgatg	atcctgatct	ttgcaggcct	960
aggctaatgt	gtgtttgtt	cttataagaa	aaaggattaa	aaaagaaaaga	atttttaat	1020
ggaaaaaaagc	ttatagaata	tgaatataag	gaaagaaaaat	atttttgtac	aactataacaa	1080
tgtgtgggt	ttgttaacta	aatgttatta	aaaaaaaaa	aaaaaaaaac	tcga	1134

<210> 63
<211> 1448
<212> DNA
<213> Homo sapiens

<400> 63	ctcagggta	cagtacaaaa	ccaaagggtga	tggtaccact	taaaatggac	tctatcacag	60
	tgcacataag	gagcaccaac	ggacctatcg	atgtctattt	gtgtgaagt	gagcagggtc	120
	agaccagtaa	caaagggtct	gaagggtgc	ggacctcttc	atctgagagc	actcatccag	180
	aaggccctga	ggaagaagaa	aatcctcagc	aaagtgaaga	attgcttga	gtaagcaact	240
	gatggcattt	gagaatttt	gtatcactga	gtttttggg	aatatcttcg	tggagaatta	300
	cgcataaat	ttgattctca	gagcaataaa	ttatccatga	agtgcctctg	ttctcagtag	360
	cgccatcatg	gccagtagt	tcttgagga	gttcaccact	tagattactg	agtaattgtg	420
	gtttccacat	ttgaaaacaa	ctccctttt	aattattcac	tgctttttgt	cagtgaaata	480
	gacatcttgc	ctccgtaaat	agtttcatca	cagagtgtc	tgaagacaga	cagtcaggct	540
	gaaatggaca	gttctttgt	gactctaccc	ttcccttcaa	ggagtatgtc	atatacaca	600
	aaagaaaattt	ccttacactg	gttcatgtt	gcagttactg	ttgtacattt	catagatgt	660
	cacacgaatt	taaatgtat	gtctttgtat	atatctgtat	aatgttgaga	ttacttacga	720
	aatatgtctg	agtgacactt	ttcacccctt	tacagccaaa	ataatgtata	tatggaaagt	780
	gacagacaaa	ttctctaatt	tctttggat	ctataactt	ttagaatcct	ctggatgtgg	840
	gttagaagag	acttttcca	aacttctaca	tgtagaagta	tcataaatgt	gtcacacatt	900
	tatgtttgt	gatttaattt	aagtatttt	atatggttt	cagtgtaaa	attggagtc	960
	gatacttctt	ggtttaagg	tgtctaccta	attgtgtct	cccagcagac	tggtggcatg	1020
	cccagtggct	ttgggggca	ggatagaaaat	gccatcagga	aatagctgaa	ttcattgtg	1080
	aacatgaatt	cagtcatgt	gataatttga	aactccccc	agtttttgc	aagtagat	1140
	tgtaatgtt	gtgtatgcag	ccttgcgtt	gagtcagtcc	aagggtttt	acttaggaca	1200
	agttgtacct	tgcctctct	ccagctctgc	tcccacattt	tcacatacct	agctgtttct	1260
	acctcatgg	gtaaagtcat	taccactctg	tgcctcgtt	tactctgt	tttaccat	1320
	gactgtgagc	tccttggaggg	actttgtcat	aatcactgtt	acatcccagt	gcctcacacc	1380
	atgcctggcc	cttaagaagt	gctcaataaa	tgtctgaaca	aataaaaaaa	aaaaaaaaaa	1440
	ggcggcc						1448

<210> 64
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (354)
<223> n equals a,t,g, or c

<400> 64		60
tcgaccacg cgtccgagca tattaggatt atatgttagat ttgttatgtat tttgcattat		120
gtacttcagt ctccctagttt tattattctc accttccgtt ttattcttgg cgaggaaaaaa		180
atgcactaga aataatacat taaaactgact ctttagtctta atgtacgttt gctgtcttaa		240
atagggtgat tgagtccaaac agactcaatc atacatgtca tacatgttta tgattaagag		300
atattctttt tgtgtgctag ttgatTTGc cgagaaaaaa tgaagaagaa ttcaagaaga		360
gatgagggtt ggttaagctct cagagcattt ctgtctgccc atttgggtct atgncttatg		420
tgggctgcta atgtgactaa ttcagagtgt ttttcca catctgtgga ttccaccatg		480
gaaaagggtgg gctaccattt gtccttatat ggctttatta gaaaaataga cattctatcg		540
tttgtctgcc cagtggccag agtcctggtg aacaacagag ctcatggaa aycagcctct		600
ctcagggcac cccgttatga ggatattgaa atatgttcaa tcatttctca tctcccttgg		660
aatgtatTC cctgccctat acaaaatagg atattccaaat gcgttatttgc aatctaggga		720
ttgaggattt gtatgtgat ttggggtaa aggcttggct cattgccccatg gaagaataaa		756
agtttattat taaaaaaaaaaaa aaaaaaaaaagg gcggcc		

<210> 65
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (493)
<223> n equals a,t,g, or c

<400> 65		60
ccgtgatgtg gcgcctgcac antcctttcc ctttcggatt cccgacgctg tggttgctgt		120
aaggggctt ccctgcgcca cacggccgtc gccatggta agctgagcaa agaggccaaag		180
cagagactac agcagctctt caagggggagc cagtttgcctt ttcgcgtgggg ctttatccct		240
tttgtgatTT acctgggatt taagaggggt gcagatccc gaatgcctga accaactgtt		300
ttgagctac ttggggata aaggattatt tggctttctg gattggagg caatcagcgg		360
acagcatgga agatgtgtgc tctggctcg ataagagatg ggacatcatt cagtcactag		420
ttggatggca caaggctctt cacagacgca tctgttagcag agtggawctt gtactaactt		480
atgatagaat gtatcagaat aaatgtttt aacagtgtwa aaaaaaaaaa rnaggrggng		496
agtgggtggg gtngag		

<210> 66
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> n equals a,t,g, or c

<400> 66		
gcaggtaccc ggtccnggaa ttcccgggtc gaccacgct tccggattt ttttattggg	60	
gtggggaaag gggcaaaaag aatgatcta gtgtcttac ctctctcata ttaactcacc	120	
tcttattct gtggctttt ctgaatagaa atgtatgcc taggaagaaa tcatgctggg	180	
tttgcttt agagataaaa ggtggtgat ttatggcc tgcagtaaag attctcagg	240	
tgtcagagca gcatattgtc aaatcctgct tctgtttat gtttcagtgt attcactttc	300	
attttcttac ttactagacc atttctgcag tttccccaaa cctctactgt ttgggacagt	360	
aagccaaata cctcattttt aaaaagaagt tttcatggca tcagtgttaa taaagtacat	420	
tttaactga gtctaatct ctatggaa aaaaagtäga gacaaaagta atgtcaatgt	480	
aatccccagg atcatgaaat gtataaaaaa taaataaaagt aggagagttt aaaaaaaaaa	540	
aaaaaaaaaaag ggcggcc	557	

<210> 67
<211> 674
<212> DNA
<213> Homo sapiens

<400> 67		
ggtcgaccca cgcgccgat aatgtgttagc tactgtatgc cttatataat tatttttttg	60	
agtgtcattc acaatcacaa aacgatacccttactgaaag tgtagtgaa taaacttaat	120	
tgcataatta cggacctgtg tatttccaga gatgatgtt tccccactac atgttaagat	180	
gtacgtattt aatgacaatg ctgtttgtt tatgagaact tgagacagaa gattttagtag	240	
gattatccag tgacagtcag tacaggggtc gattaagctg tccttctggc tcttggcctg	300	
gtatatgtt gtctctggcc atgcaggatc agaatagggc aggtggcatg tttatataatg	360	
ccttgattt cacagaagtt ggtgagctt cctaagtggaaattttaga gctagatagg	420	
attgttgtt gagagggggc agggaaatggaa gagttgattt ttcactttc tgggtgcag	480	
ttgaattttac atgttagctgg aactgattt ccaaggattt atgatggcaa tgagctttaga	540	
agattgggtt ggtttagca ctccagaatt ggatcccttgcggaaacctt tgctaagagg	600	
gagtggactt gtatggta cagagacaa aaaaaaaaaa aaaaaaagg sgccccccc	660	
caagggggcc ccaa	674	

<210> 68
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (345)
<223> n equals a,t,g, or c

<400> 68		
tcgacccacg cgtccgagat ctccagcaga aagatattgg tgtgaaaccg gagttcagct	60	
ttaacatacc tcgtgcaaa agagagctgg ctcagctgaa caaatgcacc tccccacacg	120	
agaagcttgcga aaagtgggtc agctcattac acgtctcca agccagagag	180	

tgaacctgga gaccatgtgt	gctgatgatc	tgctatcagt	cctgttatac	ttgcttgtga	240
aaacggagat	ccctaattgg	atggcaaatt	tgagttacat	caaaaacttc	300
gttggcaaa	ggatgaactg	gggatactgc	ctgacacctat	tcgangctgc	360
ttcggcaagg	aagccctct	gctaaacccc	ctgagtctga	gggatttgg	420
tccttaagca	gagaatgagc	ttactctctc	agatgacttc	gtctccacc	480
ttaaggctga	tgctctatta	gaataaaaaga	ggatccccta	gtccatagca	540
taataataaa	aaaaaaaata	acaagatgaa	gctggcatg	gtggtgtgca	600
cagctatatg	ggaggctgag	gtgggaggat	cacttgagcc	cgagaggttg	660
gagctctgat	tgtgccactc	tactccagcc	tggcaacat	agcaagacct	720
aaaataaata	aataaattct	gttatttgtc	accctgtagg	gattcactga	780
				aaaaaaaaaa	794
				aaaaaaaggc	ggcc

<210> 69

<211> 1915

<212> DNA

<213> Homo sapiens

<400> 69

gaattcggca cgagcttaaa	tgttcgacag	ctcaaagctg	ggaccaaatt	agtgtcctca	60
ctagcagaat	gtggggctca	aggagttaca	ggactgctac	aagcaggagt	120
ttatgttgaac	ttctgtttgc	tgatcacgt	tcatcttctc	ttaagttaaa	180
gctttggaca	gtgtcattag	tatgacagaa	ggaatggaaag	cttttttaa	240
gaatgaaaaa	agtgttatac	aaaagcttct	ggaactcata	cttttagatc	300
ggttgttact	gctggttcag	ctattctcca	aaaatgccc	ttctatgaag	360
gattaaaaa	cttggtgacc	attnagcaga	gaagacttca	wctctcccta	420
acctgatcac	gacacagatg	ctggacttga	gagaacaaac	accacagtga	480
ggaagcttct	atggatatgg	atcttttgg	atctcaaat	ataagtgaag	540
aaggcttatt	aaccccttag	aagaagttt	tcatttaatg	gaaactgccc	600
gatccaacaa	cctgttaagt	cttcccaac	gatggcacga	ctcatacaat	660
gatgtatcca	taccctgttc	tctttagata	tcttcacagt	catcaatct	720
taccttgctt	ctgtcaattc	cagtaacaag	tgctcaccc	tggtgtgtgc	780
agatgtttt	aagtttctt	cacagtcaca	gaagggtctt	ggccacaaa	840
tgaagcaaca	atttattgt	ccgagctctg	tgtcacttt	tgaggagaa	900
gtctccaat	ctgtatggt	tattgtat	gcatttgct	tgtggctaca	960
cagacattgc	aatgtattac	agaactgtt	agccattttc	ggactcaaca	1020
gaaacagacc	attcagatct	cttgggaaacc	ctgcacaatc	tcattttgt	1080
cctgtggaa	gatcagctgt	tggccatgtt	tttagtctgg	tacttyaat	1140
attactctaa	tggagtacta	ttcctcaaga	tggataac	ccaccaaaac	1200
agtatcacag	aagatttctt	cccggtgg	gtttcaggc	ggccactcaa	1260
tttccacagt	cagaataggt	tttcacacc	acgtgcttca	aatagaggag	1320
ggaaggaaca	agaggctcca	gttggagtgc	tcagaatact	gacgggggtgc	1380
aagtcgtgga	ggccagagca	attttaacag	ccaccattac	tttccat	1440
ttctacaggt	taccggccaa	gtcctcgaaa	ccgtgcttct	ggggacttgg	1500
acttcctgg	gctagtgc	atagcggcag	tggaggctca	agagggaaat	1560
aggcagtgg	agaggtcg	atgtacgctc	cttacacga	tttggaaaca	1620
tcttaactgt	atatgaacat	ttcacgagga	taaaaatct	tttggata	1680
tagacttagc	agttatctgg	agacatctga	ttatctgaag	aaagcagaat	1740
ttgtttgata	cctaacaaga	tttcaataaa	aatccaaact	ttgtatgtac	1800
atttccctt	ttttgtatga	ctatttattt	agaaaatttc	gttggaaaa	1860
gtttgtatt	tttcttgctt	atagcacaga	tattctcaaa	actaaatgt	1915

<210> 70

<211> 733

<212> DNA

<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> n equals a,t,g, or c

<400> 70
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agggcggatt catcatgaag caaacgcggc tgaacccccc agtggcttc attcttctcc 120
aaccctttc aagaccagg gatgggctca gcaattctgt tttataatt ttgcattctg 180
tcccttaat cataaaagaga gcccccaatc tgtaaagctt ctgatcccac acaacctctc 240
agggctccag ggtcctgagg aggatggcca ggtcactgtg ggcctgtggt ggagccagcg 300
ggcacccagg gcttcttgtt gggccaggtc cctggtcata gactgagcca gammagcatc 360
agcytccgat ctccaggccc ctgcggtgag ggccccaaatg cccctgataa ggctctgctc 420
ctaaagggtt gttggccttg aacaagctgc tccctgcct cagttccam ttcaggatgg 480
agacatgaat gagagaagt gtcctgaaaac tcctgatggc tttccatttc ctggtttcct 540
gtcttcctg aggctgaatt ctgcctgc tttctctgag atccctcaact tccctgccaa 600
gaaatttcctt cttagtctg ttcagagtga agtgc当地 aaaaataaaaaa agtgc当地 660
caaagtgcaa tcaaaacaaa caaacaaact ttggctaagg caaaacccaaa caaaaaaaaa 720
aaaaaaaaaa ctc 733

<210> 71
<211> 1266
<212> DNA
<213> Homo sapiens

<400> 71
cccatgtcgg ccctgaggcg ctcgggctac ggccccagtg acggccgtc ctacggccgc 60
tactacgggc ctgggggtgg agatgtgccg gtacaccac ctccaccctt atatcctttt 120
cgccctgaac ctccccagcc tcccatttcc tggcggtgc gcggggggcg cccggcggag 180
accacctggc tggagaagg cggaggaggc gatggctact atccctcggg aggcgcctgg 240
ccagagccgt gtcgagccgg aggaagccac cagagtttga attcttatac aaatggagcg 300
tatggtccaa cataccccc aggccctggg gcaaatactg ctttataact caggggctta 360
wtatgcacct gttataactc agaccagttt ctycacagaa ttccaagttt ttaccgttca 420
tctggcaaca gccaactcc agtctctcgt tggatctatc cccagcagga ctgtcagact 480
gaagcamccc ctcttagggg caaggttcca ggatatccgc cttcamagaa mcttggaaatg 540
amcctgcccc attatccta tggagatgg aatctgttgc ttccacaatc aggaccgact 600
gtacgaccac aagaagatgc gtgggcttct cctgggtctt atggaatggg tggccgttat 660
ccctggcctt catcagcgc ctcagcacca cccggcaatc tctacatgac tgaagtactt 720
caccatggcc tagcagtggc tctccctgtt cacccttc acccccagtc cagcagccca 780
aggattcttc ataccctat agccaatcag atcaaagcat gaaccggcac aactttctt 840
gcagtgtcca tcagtagaa tcctggggaa cagtgaacaa tggatgttca gatctttgg 900
attcccaagt ccagtatagt gctgagcctc agctgtatgg taatgccacc agtgaccatc 960
ccaacaatca agatcaaagt agcagtcttc ctgaagaatg tgtacttca gatgaaagta 1020
ctcctccgag tattaaaaaa atcatacatg tgctggagaa ggtccagttt cttgaacaag 1080
aagtagaaga attttagga aaaaagacag acaaagcata ctggcttctg gaagaaaatgc 1140
taaccaagga actttggaa ctggattcag ttgaaactgg gggccaggac tctgtacggc 1200
aggccagaaa agaggctgtt tgtaagattc aggccataact ggaaaaaaa aaaaaaaaaa 1260
actcga 1266

<210> 72
<211> 485
<212> DNA
<213> Homo sapiens

<400> 72
gaattcggca cgagtaccct gttctaatac agttcagtgt gtcttataga aaatcattta 60

tctttgcct ccctgaaatg attttaactt tttgtgttt ttccttttc tcatttcata	120
atgcaattaa atctacccct tttctcaaattttaaaaaca catgaataaa atatctttta	180
cttaaggta aacacaaatg gagtggcgta ggctgggtcat ggtggctgac acctataatc	240
ccaacactgt gggaggccga ggcaggtgga tcacttgagc tcacaagttt cagagccg	300
tgagcaacat ggcaaaaccc cgtctctaca aaagaataaa aaacttagcc aggcattggta	360
gtactcagg gaggatggct tgagcctggg aggcaagtggt tgcaatgagc caagatcgca	420
ccactgcact ccagcctggg stataaagcc agaacttgtc tcaaaaaaaaaaaaaaaa	480
ctcga	485

<210> 73
<211> 639
<212> DNA
<213> Homo sapiens

<400> 73	60
gaattcggca cgagtattaa gtcaaattgc tgtattctac gtgttagagt gagttaaaaa	120
gatccattgt attactgaat aggcaaaagt tttaatttca gaggatgaaa ctgatatatt	180
actgccacct tgtgatatt ctgttattac aggctattat aaaargcaat gccccgtatgt	240
aatctgttct aacaagaagc atttcctttt tttgtcgttt ttattattgt tattattaca	300
tttaagttc tgagatacat gtacagaacg tggaggtttg ttacataggt atacacatgc	360
catgggttt tactgcaccc atcaaccat catctacatt aggtatttct cctaattgcta	420
tccctcccccc agcctcccac cccttgacag gccccggat gtgatgttcc ctcctgtg	480
tccatgtgtt ctattgttc aactcaaaag aaaaacagaa gcattttctg cttcccaat	540
ttcttaaaaata caatgcaact ttatgtttaa tttaactaac ttaattttt gagacaagg	600
ctagctctgt tgcccaggct ggagtggcgt ggcgtgaata tggttcagtg aaacctccac	639
ctccctggct caagtgatcc tccttcctca gcctctcga	

<210> 74
<211> 532
<212> DNA
<213> Homo sapiens

<400> 74	60
atggctgctt tcaacccgaa cgcgtccatc ctcaagatc aagaccatt ccatagttca	120
acaagttagtt ggtgatgata gagtgccctg actggggccag aacagctct ttagccaaac	180
agcgcaggaa agtctttaaa cagatgctca gtcctttct tcattttcac tttaattcca	240
tgatgcctct gtgtccctct gacgacatct ctccctgggt ctgggactct gctggcttc	300
catgcctact gagaaggctt cctggccatc atcaggcagg aaaactctaa agccctccgt	360
cctcaacgtg ggatccctgg gccagcagca tcagcctcac cagaaaaacct gttcttctgc	420
tcattcttgg gccccacccc aggcattttc aaagaaaagac tccagggca gcgcttggca	480
gcctgtgttt ccaccagatc tgggtgaaaa ctcaaattgaa ccagcccagg tggatgtgacg	
caggaagtgc aaggctgaga gccagtgct aaggcaacct cgtgcccgaat tc	532

<210> 75
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (507)
<223> n equals a,t,g, or c

<400> 75	60
aggcagacgt agaactagtg gatccccmgg gctgcaggaa ttcggcacga gccccagcta	

ggaagaaaaga atggcactct tgggcttggc ccagaat tag agttattt gcaagagaga	120
gcttaggaag catgaggggca actatagtga ggccttattt ccaggaggga gggtttttgt	180
tgtggcgct tgtgtataaa ggggcaagag cagctccccc ggactattcc tgggaggact	240
ctgatgcagg gcgtctgttg ctccccctggg tcacctcttc cctgctcgct gacatctggg	300
gctttgaccc ttctttttt aatctacttt tgctaagatg catttaataaa aaaaaaaagag	360
agagagagag aggtgtgagg gacaaaatgc aaaccttattt cccttgcctc ataggcttct	420
gggatgtcat cacctccagt ttgttggttt tggccaaac tggtaataaa gcattgaaac	480
agaaaaaaaaaaaaaaa acaaaaanaaaa aaaa	514

<210> 76
<211> 644
<212> DNA
<213> *Homo sapiens*

```

<400> 76
tcgagttttt tttttttttt tatttattat ttactttaa gttctggat acatgtgctg      60
aatgtgcagg ttgttatcat aggtatacat gtgccatgtt ggtttgctgc acctatatcaac 120
ccgtcatcta gtttttatgc cccgcatgca ttaggtatTT gtccataatgc tctcccgccc 180
ctttccact aacaccctcc tgagtttatg aatccttgca gatatgtttt atgtatatga 240
tcatagtatg tatgttagaca cacacacaca cacacacgtt ccctctctct acacaaatgg 300
taacatacta aagatactct tctgtacctt cacagtacaa gtaccatatt cccccacttag 360
cacttggcaa aggccaaagc cagtttaaggg caggggtgagc acttggcctc caagctctat 420
gtccagtgct cgctccccac agggccctta actcaccac agaagcggac tcagccccag 480
gctacgtcta acaaccacac acaaaaagcag caagaaaatgg cccatgtctgc cttctgggca 540
ggacattcca tcctgcagaa ggaaccttta ggctcactcc gccacctggg aagccaggct 600
gccaggggat ggggcaggcg gttggactca ctcgtgcggat attc 644

```

<210> 77
<211> 1199
<212> DNA
<213> *Homo sapiens*

<220>
<221> SITE
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (582)
<223> n equals a,t,q, or c

```
<220>
<221> SITE
<222> (630)
<223> n equals a,t,q, or c
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<400> 77
gaatggcacg agcaatggct ctgttagtcc tgactctgta ttgcattctt tttttaaaaaa 60
tctacatgcc tgtccccatct cactgtgagc aattcaaagg caggaattaa gtcttattaa 120
tttctctctt ccgttgccca gcatagtgac cagaacagag ctc当地aaaaa tgtgttgaat 180
agataaaatgg gctgttaaga gaaaaacttt agcagaatta aattttaaagg agtttaattg 240
agcaaatgaat gattcacgga tcagggcagcc cccagaatta ctgcarattc agagaggctc 300
cagggtacct catggtcaga acaaaaaaaaaag ggaagtgacg tacagaaaatc agaggtgagg 360
tgc当地aaaca gctggattgg ttacagcttg gcatttgc当地 tatttgaaca cagtc当地aac 420
actcaacact gtagttaatgg ttgaagtgtg gctgctgaaa ttggctgana ctc当地actt 480

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gttacaggct gtaatcctaa attagggtt caatcttgc tgcacactaa	ggttaggtgc	540
agttcgtcca caaggactta aatacagaag tatggagtcc tnctcaggcc	atatttagtt	600
tgccttaaca aggcatacgca gtgataagtn ccagagagag	gtggtcagca cgattcatca	660
ctgtcctcag acaagaagag gatgaggagg gatgagccat	tttgccstat ttgkacctt	720
tttggcaaag tcatgattac tttagtcatgt wacatgtAAC	tttagcatgac ccatgggtac	780
agaaaactagg tttaattttt ttatccaaca gtgamgtttt	ccatactca ctcaagtact	840
tagtaattgc ttagtgc ttccattgca gcggcttcat	agatcatggc tgggttcat	900
cgcgttggc gtgcctggaa aatcaatagc taaaaaygtt	ttgtgaaccc tttagtagttg	960
ttacctgggt aggttggaa tggccagga gaattaatga acamtcaagg	gatmgtttg	1020
tcattttaca gggataata agcaaatgcg tggttggaa	tgtgattcta tcaaattctgt	1080
ttataaataaa gtgcataattt gccatttaaa gtaattttt	tatctgtgac ttgggcttca	1140
tgggattagc tataatgaca cgtctggag tctcctcaca	attagaatga aatcctcga	1199

<210> 78

<211> 660

<212> DNA

<213> Homo sapiens

<400> 78

gaattcggca cgaggcagagg cccggtaacct ttaagctcta cctcgccaaat	gccctctcgc	60
ctagtaatcc gtgcacacag cctgctgttt gccatgcaga atgatggcct	caagttcatg	120
gaaatgggc tccatgtcct tcaggcaagt atagggttcc ttgtgcttat	ggtgatgtg	180
ctcgagcatt ttcttgcatt gtcattggc aatgcagggg ctcccttgc	actgctggat	240
gtgctggggaa aggatgttat tgatgtggct gaaagaagag agagcaagaa	atgaaatggg	300
tagatggggaa catcagagga atgagaaaga ttagctacca aatgggtact	ctatagggtt	360
ctgagtggtg gatgagtgca cgttggtaa tgggtggttt aacagtggac	gggtgggtgg	420
atgggtggag gggcagggtgg gtgagtggtt ataagggtgg atgagcaggt	gggtgagtg	480
ctatgagggt gaatgagcag gtggatgagt ggctataagg gtggatgagc	atcctgtgg	540
atgtaatgtg gatgggcagt tcagtgagtg ggtgactatg acggtggatg	gtgggtggc	600
tgagtggaaat tacagatggc atagatcaca cttacttttgc	ttaacctcga	660

<210> 79

<211> 524

<212> DNA

<213> Homo sapiens

<400> 79

tcgagccccg gctggcgggc ctggctgctg ggtctttgtc ttcttaggttc	ctctttctcc	60
caagaagggc taagtggatc ctgtgaaggg agggatgcag tggggggaaag gagctggccc		120
cagctgggtt tacattctca gctggacag cagaccctca ctgtgtatgt	gtcagccag	180
cagataacctg tgcacaggca cagaccacc aactcgtgg gacacttcaa	caccgcacaa	240
agccattttt ccactagacc catgccccca aattagcaga actgctcgt	ccgaattcct	300
gcagccccgg ggatccacta gttctagagc ggccgccacc gcggtggagc	tccagcttt	360
gttcccttta gtgagggta atttcgagct tggcgtaatc atggctatag	ctgtttctg	420
tgtgaaatttgc ttagccgctc acaattccac acaacatacg agccgaaagc	ataaaagtgt	480
aaggctgggg tgcctaatga gtgagctaactc acatattaaat tgcg		524

<210> 80

<211> 434

<212> DNA

<213> Homo sapiens

<400> 80

gaattcggca cgagcggcac gagctcgtgc cgaattcggc acgagatttc	atgggcagtg	60
tctggactg ctttttagca ttactgaaa aacatataat tacttgtac	aaattaataaa	120

taacagtgct actagatgg ctcagtgcca ggcataaggc ctttacatct gtgaactcat	180
ttaactgaat tggtcccggg gttgggatag aacagctgcc cctccttcag cagcggttcc	240
agccgtccta gctctgcggc ctggccactt tgtttcccc aatccctggy ctccaggagc	300
agggctctca gctcccctgg ctctcacgac ctcacacctgag ctgaggagag gacagggtgg	360
ctctctccag ctcccamamtg gtctgtatcc aggctattyc amcctcattc aaaaaaaaaaa	420
aaaaaaaaact tcga	434

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<210> 81  
<211> 735  
<212> DNA  
<213> Homo sapiens
```

<400> 81									
gaattcggca	cgagcttctt	ataaaccta	at	ctctgaagt	g	at	atcatcac	ttctgctata	60
tcctgttcat	tagatgttag	tca	gta	agg	tc	a	ggg	gtg	aat
atcaggaagt	ggggaaatcac	tggg	tttac	t	ta	ccat	aa	gg	gaaat
tggcatcttt	atttcatta	ac	c	tt	tg	ca	at	aa	atgt
aggcaacaag	tca	act	gt	gg	tt	ta	acc	ag	atcaga
tat	ttt	ttt	at	gg	tc	cc	t	ac	t
gggagtttatt	agmc	c	t	act	g	ca	t	act	ttggaaat
ttactataca	aca	act	aa	aa	at	gt	ttt	ttt	ttttcaca
ttttgtttta	tg	ag	at	gt	ta	aa	ttt	gt	ta
gttaaggcgt	tt	tg	tg	ac	ca	aa	at	tt	tttgtt
gg	tt	ct	gg	ga	cc	cc	tt	ca	aa
gag	tt	cc	ct	tg	ac	ct	gg	ac	cc
caaatacacc	ct	cg	ca	tc	ga	ct	gg	ac	cc

<210> 82
<211> 722
<212> DNA
<213> *Homo sapiens*

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<220>
<221> SITE
<222> (697)
<223> n equals a,t,g, or c
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```
<220>
<221> SITE
<222> (717)
<223> n equals a,t,g, or c
```

<400> 82	60
gaattcggca cgagccatgag ccactgcacc cagccgatac tactatatcc ccattttaca	120
gatgaggcaca tggggcaaatt gagggttaagg cactgaccca tgatcataca gctgagaagt	180
ggcaaaggca ggatttgaac cttagaacctc tggctccaca cactagtaat ctaaaccact	240
ctcccataaa tacaacatac gtggtaaaga tgtgtggtgg gcacgcatac aacgttaggtc	300
ccttcacagt tgctgggaga ggcaggaaatt tgcagttctt ccgcgttctc ctccctccgct	360
gccccacctgt cctgggtcat tcctgcagcs tgccctgcgc tgccctggctt caccctccct	420
ctgccaacag aagtctgggc agggtttat gggctctgtat aaggccctgg cagggccgaa	480
gttcatgagc acttcctctt tgcaggaggg cgtagggggag gggacccagg tgatttgggt	540
cctggcttgtt caccaggaa gctggcaagg gaaggggagac tagggtgcgc tctaggagaa	600
gccgacagcc tgagagtccc agaagaggag ccctgtggac cctccctgc cagccactcc	660
cttaccctgg gtataagagc caccacccgac tgccatccgc caceatctcc cactcctgca	720
gctcttctca cagaccagcc actagcgccag cctcganggg gggcccgatcc caattncc	722
ct	

<210> 83
<211> 785
<212> DNA
<213> Homo sapiens

<400> 83

gaattcggca	cgagcttgtt	cacactcagt	aaacacatta	gttgaattcc	tctgattgtc	60
aatttagcaat	ggtttgcca	agaatactgg	tattgatgct	gtttttagca	ctgaaaaatc	120
ctgtgggaga	aatgaggaat	ttaacacatt	gttaggtgtt	agattcctgg	gtgtctgaca	180
gtatccctgg	aaccattatc	attaattaac	tttcaatca	gaaaggcaaa	ctactttgct	240
gttaggctc	cagatgaggt	ttttgaaaaa	aacagtaaga	taataaaggc	ttggattgct	300
cctacttc	gaggcaagtc	acatctcata	ttattcagaa	cttggactga	agagctcata	360
ggcagaagtga	ggccaaaggc	aggagtctc	agacatctt	ggccaaagtgc	cattctagaa	420
gaaatgatc	tcttcctcag	tcaccatcta	tctatgcccc	caggtttgac	tcgctcttt	480
ccaaaggagt	gctgttcatt	cctgacacaa	gggagaccag	aaaagagatc	atgaatgaca	540
gtgaaaacct	ttatgacact	gacataaaagc	agagagttag	actgaatatg	agttggtagc	600
ttttccttgc	tatctgtgt	agttgaatca	tacaaaattt	tcatttttgt	gattcaaaag	660
tgtaaaacaa	aagcaagttc	atatgattca	agcttacatt	tttttctcac	tataagaaag	720
aggatttaaa	gaattgtatt	aggttagcga	atctgattt	tttcatgcaa	atacagctcc	780
tccga						785

<210> 84
<211> 570
<212> DNA
<213> Homo sapiens

<400> 84

aaacgacggc	cagtgaattt	taatacact	cactataggc	cgaattggtt	accggccccc	60
ccctcgagtt	gaatttagaga	aaacgcacatg	gacacacgtg	gagtggttt	aaggagcgga	120
gagtttaata	ggcaagaagg	aagggagaag	acagaaggaa	gaagctcctc	catatggaga	180
cagagggagg	ggggctccaa	agccaaaaga	ggaggtcccc	aagtgcagt	gacaccagcc	240
aagtatatat	gcagaggctg	gaagggcga	tgtctgattt	acataggct	caggggattt	300
gtttgaccac	gcatgttatt	cacatagccc	actaaaaagc	tggctctccc	accctagtt	360
ttaatatatgc	aaatgcaggg	agccatggat	gttctacaca	tgtggggata	tttggggatg	420
ttctacacat	gtggggcggc	catgttccca	ggaacatgtg	aggcaagggt	aagaaggcct	480
tggaaattgc	catgttgggt	ggaccctagtt	tctaattggcc	tgcatttgca	tatcaaaggt	540
tgctcggtcc	gaattcctgc	agccccgggg				570

<210> 85
<211> 905
<212> DNA
<213> Homo sapiens

<400> 85

gaattcggca	cgaggtgatg	aataaataaa	tcaacagaga	ttttaccatg	ttttttttta	60
aactgatcta	gttatcact	ctcttatctc	tacaatttat	ctttcactca	aagaactaaa	120
gttatctcc	aaaaacacag	aatgaatcag	ctcaactctcc	tcaagactct	taaatggtcc	180
ttcattactt	gttggagaaaa	gcccagactt	gtttagtgg	gcaattaaac	tccccacaat	240
ttatctggca	gaagactttc	tggaaccatg	tatggtttt	ttgccttcca	acttacagtc	300
ttattggtcc	attatttttt	tctcatcatg	ccacacattt	ttgtgtcagg	taattttagt	360
cttttggct	tgttcttact	atcagccaa	ttcatacgat	aagtccagag	ttggttgtt	420
ttgttgtgt	tttttatc	tttaggtagg	agttacaatt	tttatttgct	ttgtgacagc	480
attatttct	gacacatttt	tttcatattc	ttttaaagag	tttctttttt	aaacccatgt	540
tattcaaggt	taaacaaata	acgagttt	ttgtttggat	gttatgctt	cacttactt	600

aatatgttgt ttttttcca gactagccat tagcaagatt cctgtggagt gagggagtgc	660
ccagggttgt ttcacatcatttcttgcata aattcttccttcttcataatgc tgcaatgtatg	720
aattatccat tcacaaactat gaccccactgtgttagtcca cttttcccttgcataacaag	780
agtgtacaaa atcggttgtatcttctgagcc atggctaaca agaatcctatgcactgcctt	840
ccactatatc ttcccttttaaaaaggagcattttctgatcttcaggcccttc	900
ctcga	905

<210> 86
<211> 706
<212> DNA
<213> Homo sapiens

<400> 86	
gaattcggca cgagcaaaga tgaggctgtc tacaaactta tgtatcattc taataaaat	60
ttaataacag aatgttctaa attttatag gaaaataata ttaagttcc ttccatgtgc	120
catgcataat ctttatataa gtataatttc attttatataat aatttctgtgc ttccatgtgc	180
tgcttctccc caattcacaa atgaagaaag tagttacacc gcccttcgtt catgtacaag	240
gggagggttt gaatccaggt ctctaggaac cccaaagtca tgcacccccc aaggcaaaagg	300
agattaccat gttacagcat agataaaaaac ataataagaaat taggaatttgg ataagtataag	360
agggttcaat agtgttcccc caaaaatttctt ctcacactg aagctcagaa tgcacccccc	420
tttggagata ggatctccaa aggtaatgca gatgtatca gttaaatgtca ggtcataaccg	480
gattaatttgc ggtcttaat ctaatgactg gtatccctttt aagaagaaga gaaaacacacag	540
gacacagaca caaggaagca gcaaacgtga agacagaggc tgggggtgtatgcac	600
tataaggcat ggggccacccg gaggctggga aggataagg agggaccctt ccccaaagcc	660
ttcagaggga gcagctgaca ctttgaattt ggacttcttag ctcga	706

<210> 87
<211> 1544
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8)
<223> n equals a,t,g, or c

<400> 87	
natgcttnca actatttata atgcataat ttgaacttag arggtrggag atcrgatcat	60
atgtggaaa atgtaaaagc agggatatacgttggcatta gaataaaaac tagggatata	120
ataacttctt tgcataatgac aataacttattt tttatataaag agaaagaacg aaataaccc	180
tattgaaata aagataactat gcaagaaaat gtacagttgt cgaagtggag aaaatgagga	240
tatattcttg cagacgagct ataggtcata catgaatgtc tagtgagaca ttcaaaattc	300
gtatagggtt cagagtaattt tcttattgtt aggaactgtc caatgtattt caagatgtt	360
tgcataactt gctctcacat actaaatgtc agtagcgccc ccaccccccac gcccagtcac	420
ggtgacaacc acaaacccta tcagatctat tcacccctt cagagcataatgttgcata	480
attctctttt ctgacctgaa atgactcata gataataccat tctacttata cacatgaaat	540
tcttaaaaaa atcaatttacat tgccttataacttgcata gataataccat tctacttata	600
atttataatg aaaaagaagat gaatttcattt atgtaaacgc tcaggcatga ctacgctgtt	660
tgaaacagac agatgtttac tcttccttgcata gataataccat tctacttata	720
agaggctact tcctgttaac aagtacagga aaatgaaact agacgggtgg gggacactag	780
aatgaaaacc agtgttaggg taaagacaaa acagactatgtacataatct gtatatggga	840

<210> 88
<211> 840
<212> DNA
<213> *Homo sapiens*

<220>
<221> SITE
<222> (326)
<223> n equals a,t,g, or c

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<400> 88
gaattcggca cgagctttt cattatctt accttaatct cttagcatat gatttatgga      60
ctggaaatggt gagtgatatac agtgggcaaa aacaatcatt agaggctgtt aaggaacatt    120
tattgtttat ttggctacct gtctataaaa gtacacatga agggcctaatt agcaaataat    180
caaattatca agtgctttaa agcagaaaaat gtcatttgtt tctcaaaaact gcaccaactt   240
tatataattg ccctttaat tatccctagt ggcccggtgaa atttgcaaaa tagagcatca    300
aagcttggatt tacttacagt tgcacnttgg cgggatctta atgaatattt ttttagtacta   360
atgctgagat ggaatcgtaa atgtttatacg tgagggactt acttagaaga gtggggaggc   420
cagtaatgaa actgaatcaa ctgggttctt caagatggaa caatatggcc atattcttgg   480
gcctaacatt ttgaaaaatt cttttatag tggaaattta ttttaatttcc aggtcttagat   540
gaatacacat taagtttagt tttgcagaat cttttttttt ctgcctagct atcttattac   600
tttccaaggg cttttgagga gtaatttgg tccctggcaat ttccgattaa aatcacctgt   660
tttttcataaa attgtcatct tcaaggtAAC actgagaact ggatctctga aatctcatgt   720
tttcgagatg atttttatacg ctgcagacct gtgggctgtat tccagactga gagttgaagt  780
tttgtqtqca tcatacatgtg ccattaaatgg aaaaaaaaaa aaaaaaaaaacy cgggggggggg  840

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<210> 89
<211> 510
<212> DNA
<213> *Homo sapiens*

```

<400> 89
gaactastgg atcccccggt ctgcaggaat tcggcackag gctgcgctcg gccaggccgg 60
caccatgcgg cccctgctct gcgcgctgac cggactggcc ctgctccgctc cccggggctc 120
tttggccgct gcgcgaacctt tcagccctcc gcgaggagac tcagctcaga gcacagcgtg 180
tgacagacac atggctgtgc aacgcgtct agatgtcatg gaggagatgg tagagaagac 240
cgtggatcac ctggggacag aggtgaaagg cctgctgggc ctgctggagg agctggctg 300
gaacctgccc ccgggacccct tcagccccgc tcccgcaccc ttccggagatg gcttctgagc 360
cctggagctg gagccccagca gttggagggtg gtgcacctgc cagcagcgcc cacagaacca 420
gccctgtccct ctcgacttcc ttcccttagct tcatagtgaaa taaaagctat tctggtcaaa 480
aaaaaaaaaaaa aaaaaaaaaaa aaaaactcgaa 510

```

<210> 90
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (66)
<223> n equals a,t,g, or c

<400> 90	60
ncggaaagtgc gcgncacgta gtagggaaac ctgggacgcc gtgcaggtac cgggcccggaa	120
tcccccnggt cgaccacgc gtccggtaa taactgtcat agtgaataatg tggtttttaa	180
gagtagtagc tacttatggg ggtgtagaaa gaatggcctc tctcttagac aatttcattt	240
taaacatcat agtcatctt tgcatacgta ttgactccta tctttgttgt ttcatgtatt	300
tctttgttat tgattccccca gtgcctgcct gcagtccatt gcaactctcc caaactttaa	360
tcctgcagct tcagccact gctagatatt tccattgatg acctgtcatac taaaaacctag	420
cattcatcat gtgcgtgtt gtataattgt atgtctgtgt tattgtatta ctttcccaag	480
taaagtttt gtgttaaggac ttaacactgc tttgaatccc ctgtacccat tatactgctg	540
tgtacaaagt aggagttcaa atacatgtga tcacaatagt cttccattca taactcatca	600
gcagctcagt ctttctttag tctagtctca gttcattcag ccaaagctca tttttgtcct	660
atccaaagta gaaagggttc ttttagaaaa cttgaagaat gtgcctcctc ttagcatctg	720
tttctgactc ccagttat taaaataaa tgatgaataa aatgccaaaa aaaaaaaaaaa	738
aaaaaaaaaaa gggccggcc	

<210> 91
<211> 506
<212> DNA
<213> Homo sapiens

<400> 91	60
tccgagttt ttgtaccact gattgttctt tcgggttgt tgtagaatt gagctagttt	120
ttttagttc tctgtgaaa gagccacag ggaggagagg tgagctgagc atttgaattt	180
caggatctgg ttaakgtgt cagtcagtg gatttgagaa tattcacaga taagcaactc	240
agaaggatca tacttgtatt gtggccctc aggtattcag gaaatagatc ttctcttg	300
attcaatagc cataatccaa attaaacatc tggctttcc aatgtgtatt ttgaatgtt	360
tgtgtcattt cttcatagac atatcaaattc attactatgt ggtaagattt tatccagaag	420
attctcttcc taaaacctt atatatgacc cttttaaagc ataaaattat tttaggtgt	480
agtttttattt atgcaataca aggatacagt cttaatttt ctacctttaa gtcgtgccc	506
aattcctgca gcccggggga tccact	

<210> 92
<211> 1203
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1165)
<223> n equals a,t,g, or c

<400> 92

gtggactctg gctgtccttg ggtggtttcc atgagcgtgg ccaagactgg gagcagactc	60
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gaagacacat ctgtgtgacg tagagattcc agggcagggg ctatgtgtga aagcaactct	180
accatgcctg ggcccagtct tgagtccacct gtcagcacac cagcagcaa gattggtcta	240
gctgtctgct atgacatgct gttccctgaa ctctctctgg cattggctca agctggagca	300
gagatactta cctatccttc agcttttggc tccattacag gcccagcca ctgggaggtg	360
ttgctgcggg cccgtgctat cgaaacccag tgctatgttag tggcagcagc acagtgtgg	420
cggcaccatg agaagagagc aagttatggc cacagcatgg tggtagaccc ctggggaaaca	480
gtggggcccc gctgctctga gggggccaggc ctctgccttg cccgaataga cctcaactat	540
ctgcgacagt tgcgccgaca cctgcctgtg ttccagcacc gcaggcctga cctctatggc	600
aatctgggtc acccaactgtc ttaagacttg acttctgtga gtttagaccc gcccctccca	660
ccccccaccc gccactatga gctagtgtc atgtgacttg gaggcaggat ccaggcacag	720
ctccccctcac ttggagaacc ttgactctct tcatggaaaca cagatgggt gcttgggaaa	780
gaaactttca cctgagcttc acctgaggc agactgcagt ttcagaaaagg tggaaatttt	840
tatagtcat ttttatttca tggaaaactga agttctgtg agggtctgagc agcactggca	900
ttgaaaaata taataatcat aaagtctgtg tctggacatc gcctttgggaa actagaagg	960
gagttggtat tgtaccagct ggactaagct ccagttcttag acctcctggc tcattcaaca	1020
tgcctcccta cctaaataaaa agtgcaacac tcagtgcatg tcccagcccc attctcccaa	1080
gcatgggagt gggcgtagga gtggaggagg gggaaaggaaa aaggaattac ttcacttaca	1140
cctatgatgc ctttgcctca agccngaaga aagcaaagg gaaaaggggc tgcagggtac	1200
att	1203

<210> 93
<211> 710
<212> DNA
<213> Homo sapiens

<400> 93

gaattcggca caggttccac catgttgcc aggctggct ccaaactcctg accgcagkga	60
tcccaaagtg ctgggattac aggtatgarc ctcccaaagt gctgggatta caggcatgag	120
ccactgtccc cagcaggatt atcttactat attgtgccac agaatatttt attagcgttt	180
gattggaaatt acatagaatt ataaattttg tatttgtac tttctgctgg aaatcatgat	240
accatgaaca ttctgtatg tgcgttatg ataaatttca tgggagctaa atttcaagaa	300
gtagaatttt gggtcagagg atatgatcat taaaagcaa cattgtttga tcaagattggc	360
agatacttaa agatgggtgg acaggagcca ttgctggcaa aggtttgggt aagggggcact	420
ttagtatgtc gctagtgaca gggaaattcta cgcatattgtg catagaatct gggaaatgact	480
attaagattt atttattccc tctctagta aaatccctct ctaggtatat aaataaataaa	540
taaataataa ataaataatc agtttcagcc aggcacaatg gctcacaccc gtaatccca	600
cacttggga ggccaaggcc gatggatcac ttgaggtcaa ggagtttag accagtctgg	660
ccaaacgttgtt gaaacccat ctctactaaa aaaaaaaaaa aaaaactcga	710

<210> 94
<211> 1750
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (34)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1287)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1392)
 <223> n equals a,t,g, or c

<400> 94		
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cttaagaaca aagttaaaat taaaaagtct ttatccaagt caccaatgaa acaggattct	120	
gattcattaa tcatgtcttg cccactttt tcaacaaacc tgacgtccta taatgagcta	180	
tacagtgtga ggcatatttc atagcaacgt tgggtgattt ccaaggagac tctgccacccg	240	
ttctggataa gctcatgttt cccttttctt tggctgctaa tagaaggggca acttagtgc	300	
cagggtcaag agcaagaagc tgggggagta gaggctatac atcttagccta ataatagaga	360	
tctgaggtgg tyaccaggag actacgttct tttgatttcca ttccctcagca gcaaaaagtac	420	
ttgagttcaa atgataaaac ttgaagttgtt aggcttgaa gагtacatcgc tcagttatc	480	
cttccttgca taaatacaag ggaaaggcca aggaataatc agcattaacc tgccaggtcc	540	
aagggtcttc tatccctgac ttcatctgag tcacaagatt tctctaataa gagaaacttt	600	
gctactctga ggaaaattat cccttatggg agccccagt tcagaggtaa gaacagttct	660	
ttcacgtgga ggtccaaaat tctggacttc tagaaacaag tgaagtgtgc taaaagtctcc	720	
tatttatttgt ttctcttcca gtattgtgcc atcgattttt gcataaaaatt ctggaatgt	780	
ggctcttcat ggcttccctc tgtaactctg tggtaatgt catcagtatc gctgtctgt	840	
tcctcatctt cttcatccaa ggttcctcga gtcaggatca aatcagaagg gtgcagcaca	900	
ggagataagc tgcctttggc agtccctgca tccaaaggcta cagaaccat atctttcga	960	
aggcggttcca gtttttctt ctgctgttgg ctctctgcgt tggccagtga ttttttcaga	1020	
cgttcatatt caggacgata ctccccttca tatttcttcgg cagcactgg aacttgcaca	1080	
aagagttcat ctaatccagt acccagaaca gcagagacac ccaccaccct gagtgagctg	1140	
taaaaactcat ctaacaccag gtcatttgcg cgagtcaagg tatgacgtat gtatcttt	1200	
gattcaaggc atcttggaaa gcctyaaaat cctgcatttca ttccactgca aagctgtgt	1260	
caatgatgtc agtttatttc atgcccncaa taaaagccag cttgggtttt tataagatgc	1320	
tgcaggcata gagcatgttg cacatgaagg tcactgggtt ggtacttctc gatgtgtcca	1380	
ttacatagat gncaactgtt ggaaatgagg atgcaaggcc ttcagtgata attgtcccg	1440	
aagctgacca ggtgaataacc tcaatctgtc caggtgtgtc aatcaacaca tatttggaca	1500	
tgttctggc cttctcaata aatttcatca ccaatattgg caggaaagg aacttcatgt	1560	
actgctggat ccaggttgcgat cacatacggt ggagtgcctt gggcatgcag gtgtcctgt	1620	
agcctctgtt caaaaagtttgcgat cccgcatttcccaacacca cagacacact	1680	
gggtgcccg gaccaccaga agcctggagc tcagcggcag ctgcggacgc cgccatctt	1740	
ctccctggcaaa	1750	

<210> 95
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (272)
 <223> n equals a,t,g, or c

<400> 95

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ggaattcggc acgagggaaat aagggtgacag atccccagct gctgaagaac tagaatgtct      60
attacactca tacaattgtat gtttatattt aatacaccag agtaccacaa caaaaacttcc      120
ttccatgtga aaggctccag ataaaaattct gccatccctc ctctccatcat gtcctcctgc      180
tcagaccac cttcatgccc ctaaaccatat ctgcacatcatg cctgtttcag agagtcatgg      240
gaagatgggc agtgcccca ttgtcaccat tnccccacac ctctgcacac ttctgcccct      300
tcccctctag acgccacaac ttcacagtct tactgttgta aatattcctg cacagtttagt      360
aatgatcaaa tgatcctgtg gtcagagggcc tcttggcag tgtcttctta cccttaagaa      420
aggtcatgaa atccagaagg ggcaaccttt ccaggagagc tttggagtca tttctgtgtg      480
agacactatt gcataatcct gtaagattgc ttttatattt aaggaatgat gttacttaac      540
aaatgaacaa aaaaaattgc aaataaattt ttaacaatg tttaaaaaaaaaaaaaaaaa      600
actcgaa                                         606

```

<210> 96

<211> 617

<212> DNA

<213> Homo sapiens

<400> 96

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gaattcggca cgaggcggaa gatagattaa aatgtctcta cttctctttt taaaagttca      60
tcttttagc ctttctacaa ttttcaaaag aaataattag atggtcgttg taacatttat      120
atgaagaaaa tagtttgaga caacctaaat atgtcaatac trgawtaatt attaaaataa      180
wtcatggccc tgtcatataa twgaatacta tggagttgg aagaaagcat gatgtagaat      240
attnaattat atggaaaaat aatcagtaaa tctttttaaa acagaaggta aaactataca      300
tagttcaata tagtaaagag ggccgggcac agtgcacg cctgtaatcc cagcacattt      360
ggaggcgaag acaggtggat cacctgaggt tggagttcc agactagcc gccaacatg      420
gctagtctct actaaaaata caaaaatcag ccaggcatgg tagcaggcac ctgtaatcca      480
agctacttgg cagggaaaggc aggagaatata cctgaacccca gaaggcagag gttgcgggtg      540
gccaaaatca tgccactgca ctccagccctg ggcaccagag taaaactctg tctaaaaaaaaa      600
aaaaaaaaaa aactcgaa                                         617

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<210> 97

<211> 634

<212> DNA

<213> Homo sapiens

<400> 97

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gaattcggca cgagatccct tgacccctcg ggtaggcaca gggtaggtgc agcagggatg      60
ggcccgcc tcatggggc ctctctgtgc ctccggggac ctgccccagc agtggggagcc      120
ataacccctt ccccttcat tacttcaatc aggtgggcac cttccctgc aggggtgtctg      180
ccctcaggga actcaaggac tctcagagac accagggcag cctggcccg aggagcaaca      240
gccaggcccc caggaggaca gccatggaga gaactgagac ccacttacag tgggggtctgg      300
gaacccttgc tgcacacttgg gtycagttcc tcccaactcc ctcttgcgt cttccccccca      360
gcaaaagggtgg ggtgaccact tctgttagctt agcacctgtt ccccgctctt cttcacccag      420
gacatctgtc tctctggagt gtctgtctgt ctgtccctcc ctctctgttgc ctgcttcctc      480
cgtgtccctt gtcctctcgcc cctggggagcc camtcccmct ccttgcggct ccctccatc      540
tcactcaagg ttctctgagg acattaaagt ggtggattca ccctgaaaaaa aaaaaaaaaaa      600
aaaaaaaaaa aaaaaaaaaaa aaaaaaaaaac tcga                                         634

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<210> 98

<211> 512

<212> DNA

<213> Homo sapiens

<220>
<221> SITE
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (487)
<223> n equals a,t,g, or c

<400> 98
gtggatcccc cgggctgcag gattcggcac gagtctgact ggaagggtg aggtgtgcag 60
ataatttac tttcaacta cagaaaagat gtatctgggt aaagaaaatc atgcatttaa 120
ctacatcaat gcagcctatg aacaatagcc tgtgaccata actagatatac tcaccaacgt 180
ggcagcttt cctaaccaa agatcaaatac aaaactctag tggcattttc ctatcactca 240
cagaacaggc taagcttccc acctggagta gaccggagc ctagaactca taaaaatttt 300
taaaaaatcaa acaaaacatg aaagtacaaa gtttctacaa aactcttatac cctctcctga 360
caatatttat gatggtggca ttagtgaatt ttactggaaa aaaaaattcc caaaactatac 420
cagctgrraa tataagctca cttccaaagg ataaaacagt taagacgaga ttaggataaa 480
ttnactnaca aaaaaaaaaa aaaaaaaactc ga 512

<210> 99
<211> 944
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (934)
<223> n equals a,t,g, or c

<400> 99
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tcta atgagg acgatgcca catccttcg agccccacag accgatccat gagcagctcc 120
ctctcagcct ctcagctcca cacggtaac atgcgggacc ctctgaaccg agtcctggcc 180
aacctgttcc tgctcatctc ctccatctg ggtctcgca cggctggccc ccacacccag 240
ttcgtgcagt ggttcatgga ggagtgtgtg gactgcctgg agcagggtgg ccgtggcagc 300
gtcctgcagt tcatgccct caccaccgtg tcggaactgg tgaaggtgtc agccatgtcc 360
agcccaagg tggttctggc catcacggac ctca gctgcctgc ccctggggccg ccagggtggct 420
gctaaaggca ttgctgcact ctgagggct tggcatggcc gcagtggggg ctggggactg 480
gcgcancccc aggcgcctcc aagggaagca gtgaggaaag atgaggcata gtgcctcaca 540
tccgctccac atggtcaag agcctcttagc ggcttccagt tccccgtcc tgactctga 600
cctccaggat gtctcccggt ttcttcttc aaaatccct ctccatctgc tggcacctga 660
ggagtgtgag caacctggac cacaagccca gtggtcaccc ctgtgtgcgc ccggcccccagc 720
ccaggagtag tcttacctct gaggaaactt ctagatgcaa agtgtgtata tgggtgtgt 780
tgtgtgtgtg tgggtttatg tggatggat aatatgtgag ggaaatctac 840
cttcgttcat gtataaataa agctccctgt ggctccctta aaaaaaaaaa aaaaaaaactc 900

gaggggggggc ccgtacccag ctttttcccc tttngtgagg ttgg

944

<210> 100
<211> 2351
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (593)
<223> n equals a,t,g, or c

<400> 100

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agcaatggca gagtatattt cgtcaaccac aacacacgaa ttacacaatg	ggaagacccc	120
agaagtcaag gtcaattaaa tgaaaagccc ttacctaag gttggaaat	gagattcaca	180
gtggatggaa ttccatattt tggacac aatagaagaa ctaccaccta	tatacatccc	240
cgcacaggaa aatctgcct agacaatgga cctcagatag cctatgttcg	ggacttcaa	300
gcaaagggttc agtatttccg gttctgggt cagcaactgg ccatgccaca	gcacataaag	360
attacagtga caagaaaaac attgttttag grtccttgc aacagwtawt	gagttcagt	420
cccccaagatc tgcgargacg tttgtgggtg attttccag gagaagaagg	tttagattat	480
ggaggtgtag caagagaatg gttctttctt ttgcacatg aagtgttcaa	cccaatgtat	540
tgcctgtttt aatatgcagg gaaggataac tactgcttgc agataaaccc	cgnttcttac	600
atcaatccag atcacctgaa atatttcgt tttattggca gatttattgc	catggctctg	660
ttccatggga aattcataga cacgggtttt tcttaccat tckakaagcg	tatcttgaac	720
aaaccagttt gactcaagga tttagaatct attgatccag aattttacaa	ttctctcatc	780
tgggttaagg aaaacaatat tgaggaatgt gatttgaaa tgtacttctc	cgttgacaaa	840
gaaattctag gtgaaattaa gagtcatgat ctgaaaccta atggtagcaa	tattcttgc	900
acagaagaaa ataaagagga atacatcaga atggtagctg agtggagggt	gtctcgaggt	960
gttgaagaac agacacaagc tttctttaga ggcttaatg aaattttcc	ccagcaat	1020
tgcataact ttgatgcaaa ggaatttagag gtcctttat gtggaaatgca	agagattgtat	1080
ttgaatgact ggcaaaagaca tgccatctac cgtcattatg caaggaccag	caaacaaatc	1140
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tttgttactg gaacctgccc attgcagta ggaggattt ctgatctcat	ggggagcaat	1260
ggaccacaga aattctgcat ykaaaaagtt gggaaagaaa attggctacc	cagaagtcat	1320
acctgtttt atcgccctgga cctgccacca tacaagagct atgacaact	gaaggaaaag	1380
ctgttgggg ccatagaaga aacagaagga tttggacaag agtaacttct	gagaacttgc	1440
accatgaatg ggcaagaact tatttgcmat gtttgcctt ctctgcctgt	tgcacatctt	1500
gtaaaaattgg acaatggctc tttagagagt tatctgagtg taagtaaatt	aatgttctca	1560
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ctagtcagaa ctttgcctaa catgagattt taacacaaca atgaaatttgc	ccttgtctta	1680
ttccactagt ttatttctt aacaacaata ttttatgtgt gtcaaaatgc	tcacttggga	1740
gtatgtttt tttcttttag acattctgca gacatgcagg gaagtcctt	gttaactgca	1800
atatacaaga ttttcattt aaggctctt gtaagaggca tttgttaaaa	gtgcaagctt	1860
actccctgcctt ctggggatgt gagcaaaatc gggcttgcgt tctccctctc	attttagtct	1920
gacttgacta ttgttttcc tttctggcgc atgaatccat acatcattcc	tggaagttag	1980
gcaagactct tgcattctcta caaagttagtt ttgtcaattt gaattcagg	aaaagttgg	2040
cacagcctgc aaatgacttc atttggaaatg ctgattgttt cagttgcctg	acaaatacta	2100
cactttacaa acaatgttaa cactgtgatt ctttcatgtt tttaagaatgt	taaccttaggg	2160
ccggggcatgg tggctcatac ctgtaatctt agcaactctgg gaggccgagg	caggaggatc	2220
ccttttagccc aggagttaaa gaccagcctg gcaacatag ggagaccctg	tcttttttt	2280
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ccaatcgctt g	2351	

<210> 101
<211> 776

<212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (775)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (776)
 <223> n equals a,t,g, or c

<400> 101
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 aacgccaccc tcctaagtgc caacgcccagc cagggaaagt tgcttcggc ccactcaggg 120
 ctcagcctca tcatcagtga cgcaagccct gacaacagtt cctggggcccc tggggcccm 180
 gggacagttg tggtagccg tatcattgtg tggacatca tggccttcaa tggcatcatc 240
 catgctctgg ccagccccct cctggcacccc ccacagcccc aggcagtgt ggccctgaa 300
 gcccccacctg tggccggcagg cgtgggggct gtgcttggc ctggagcact gcttggcttg 360
 gtggccggag ctctctaccc ccgtgcccga ggcacagccca tgggctttgg cttctctggc 420
 ttccaggccg aagatgatgc tggatgacgac ttctcaccgt ggcaagaagg gaccaacccc 480
 accctggctt ctgtcccca ccctgtctt ggcagcgaca ccttttgtga acccttcgat 540
 gactcactgc tggaggagga cttccctgac acccagagga tcctcacagt caagtgacga 600
 ggctggggct gaaagcagaa gcatgcacag ggaggagacc acttttattt cttgtctggg 660
 tggatggggc aggaggggct gagggccctgt cccagacaat aaaggtgccc tcagcggatg 720
 tgggccatgt caccaaraaa aaaaaaaaaa aaaaaaaaaa aaaann 776

<210> 102
 <211> 1065
 <212> DNA
 <213> Homo sapiens

<400> 102
 gaattcggca cgagagggtc agggaggctg ccccccaggcc tgtatattta accccctatgt 60
 accaggagta atgaatagta ataattctat ttatgtaaat tatgtatgacg gtcaggtag 120
 agtgagctgg ggagggaaatg ggatccattt ctgctaagga aattctatgtc aatgtcatct 180
 ctgtatagac aaaatgttag tggagaagat ctgttaataa gaatgtctat catcagaatc 240
 tcagttgata gggtttctt tggatgaaatg tctctacaaa ttgggttagc tacatctctg 300
 ctaaacagtt gatgggttat ctcttgatta gggggatccc taatatcccc agcccccagcc 360
 agaagctgtg aaacctcaag tcctatggag gggagaagga ctggaatgtc ccccatctyc 420
 cttgactgma gagcagggttc ctccactgcc ccacccctta gacaccatgm ccccatcagg 480
 ttaatccccct gttccatgg ttatggagac ttgcagctgc catcttagat gtgctcttg 540
 gggaaagccca tctaacaaggaa ggacattggt ttgggggtgc acctcctgaa gaatgggtgg 600
 ggaaggctt ctctaggatc agattcaaat aaatcaagta tggatgttggat gcctactctg 660
 tgcaaggcac tatgctagat ctggtgccctaa gaagccctga gaaagaactt aaagagctag 720
 gaggacagag gcccccaagc tgatctggtg gtgcattccac gcaccccccac cctgggactt 780
 tggatgtcc catctccacc tccagtgact tttaaaggccg ctgcgtgcct ttccctgttaac 840
 gttggatctt cctttctgt cccctgctgt ctcaaggccc caagttaaag ggttaaagcc 900
 gctggagctt gggagagagaa cattgtggaa tggagggat catgccttt gtggagtctt 960
 ttttttttaa tttaataat aaaagttggaa tttgaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
 aaaaaaaaaa ctgcaggggg gggccctac ccgaatcgcc ctatg 1065

<210> 103
 <211> 687
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (664)

<223> n equals a,t,g, or c

<400> 103

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ctggagctcc accgcgggtgg cggccgctct agaacttagtg gatcccccg	gctgcaggaa	120
ttcggcacga gcagaaaaaca acatggaaagc caagttcccta ggaatgcac	cctgtggca	180
ctacacatcc aagtcccccc aggcaatgcg gacagagagt aacctcgag	ccaagggttt	240
cttcttcaaa gcactgctat taactggaga cttttcccgag ctggaaata	agggccatca	300
tgtgtgggtc actaaggatg agctgggtga ctatggaaa ccaaaatacc	tggcccaagt	360
taggaggttt gtttcagacc tctgatggc cgagctgcct gtggacgggt	ctcagacaag	420
tctgggattha gagcctcaag gacattgtgt gattgcctca cattgcagg	taatatcaag	480
cagcaaacta aattctgaga aataaacgag tctattacaa aaaaaaaaaa	aaaaaaactcg	540
agggggggcc cggtaaccaa tttcgcccta tagtgagtcg tattacaatt	cactggccgt	600
cgttttacaa cgtcgtgact gggaaaccc tggcgttacc caacttaatc	gccttgnagn	660
aacntccctt ttcggcagct gggtaa		687

<210> 104

<211> 804

<212> DNA

<213> Homo sapiens

<400> 104

gaattcggca cgagattttc ttcatgcagt attctcagat tggaaacatg	cttcatgttt	60
cttataaata accctcaatt atgagggcgt acttttact ttgaagaaaa	ttgacttgca	120
ttaaaagtggc taacaattct ttcctggca ggatgtaaaa ttttctctc	ctctaataacc	180
agtactgttg agctcacatt ctcccacttt tcctctttc aggtggttca	cgttatttggg	240
attttatgaa acctcagaag cagacatgtt aacttttctt atcttttat	tccctgaggt	300

agtccctgggg ctcttaagag attacagttc taaaacctg gaaagtgaca ccagagaggt	360
agatcttagt tccccaaatt aaagttactt tctagggcat aaaaccttt cagaattcag	420
attaaatttt atttattttt tccttttct gtaaccttat atttgagggg aaaattttat	480
tttcaacttt tgcatatatc taatttaaca tttggggaaa ctgtaaatgg gccaaagtt	540
ctccctttat atgattttcc agattttac cacttctta gtgccacttg atgctaggca	600
ttgtctattt gagactcaact ggtacgtaac tgcaaggaaaa accatggAAC cacatataca	660
catgtcttgg aattgagggt tagggtttcc agaaggactt agttgcctg tgctttgtc	720
tgccccatgc caaagaccac taagaacagt tttgtaaatg aaacttgggt ctacacgtta	780
aaaaaaaaaaaa aaaaaaaaaac tcga	804

<210> 105
<211> 373
<212> DNA
<213> Homo sapiens

<400> 105	
ccacgcgtcc ggttcttga ttgcttcata agaaaccgggt gtattgctct gtgctgaggt	60
cttagatatg ttcttagcact caggagtcca aaccattgct tttgggttag aatgcata	120
aagaaacatg cacgtctatc tgaactacaa ataaactttc tgcttaagtc tacttaggt	180
aatgttggaaa catttgtca ttcaacacaa accacatggg ggcagaagaa gagagaccc	240
cattacacca catagtagca ataggagctg caatgtcaca atgagttta aaaagaatgc	300
ctctttaaaa gaaaaaaaaa aacaagaaag aaagaaaaaaaaaaaaaaa aaaaaaaaaaaa	360
aaaaaaaaaaa aaa	373

<210> 106
<211> 687
<212> DNA
<213> Homo sapiens

<400> 106	
ccacgcgtcc gctcctgtga ggtatggtgc tgggtgcaga tgcagtgtgg ctctggatag	60
caccttatgg acagttgtgt ccccaaggaa ggatgagaat agctactgaa gtcctaaaga	120
gcaaggctaa ctcaagccat tggcacacag gcattagaca gaaagctgga agttgaaatg	180
gtggagtc当地 acttgcttgg accagcttaa tggttctgtc cctggtaacg ttttatcca	240
tggatgactt gcttggtaa ggacatgaag acagttcctg tcatacctt taaaggtatg	300
gagagtgc当地 ttgactacac tgggtggagc aagttttaaa gaagcaaagg actcagaatt	360
catgattgaa gaaatgcagg cagacctgtt atcctaaact agggtttta atgaccacaa	420
caagcaagca tgcagcttac tgcttggaaag ggtcttgccct caccctaaagct agagtgca	480
ggcctttgaa gcttactaca gcctcaaact tctgggctca agtgatcctc agcctccctag	540
tggtctttgt agactgcctg atggagtc当地 atggcacaag aagataaaaa cagtgctccc	600
aattttataa aatttttgc当地 atccaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa	660
aaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa	687

<210> 107
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals stop translation

<400> 107
Met Glu Val Leu Phe Asp Ser Leu Leu Phe Ser Ser Phe Ile Phe Pro

1

5

10

15

Ser Gln Ser Leu Leu Ser Arg Thr Ser Ala Phe Ser His Lys Pro Asn
 20 25 30

Gly Leu Ser Glu Xaa
 35

<210> 108

<211> 457

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 108

Met Val Thr Cys Thr Cys Leu Pro Asp Tyr Glu Gly Asp Gly Trp Ser
 1 5 10 15

Cys Arg Ala Arg Asn Pro Cys Thr Asp Gly His Arg Gly Gly Cys Ser
 20 25 30

Glu His Ala Asn Cys Leu Ser Thr Gly Leu Asn Thr Arg Arg Cys Glu
 35 40 45

Cys His Ala Gly Tyr Val Gly Asp Gly Leu Gln Cys Leu Glu Ser
 50 55 60

Glu Pro Pro Val Asp Arg Cys Leu Gly Gln Pro Pro Pro Cys His Ser
 65 70 75 80

Asp Ala Met Xaa Thr Asp Leu His Phe Gln Glu Lys Arg Ala Gly Val-
 85 90 95

Phe His Leu Gln Ala Thr Ser Gly Pro Tyr Gly Leu Asn Phe Ser Glu
 100 105 110

Ala Glu Ala Ala Cys Glu Ala Gln Gly Ala Val Leu Ala Ser Phe Pro
 115 120 125

Gln Leu Ser Ala Ala Gln Gln Leu Gly Phe His Leu Cys Leu Met Gly
 130 135 140

Trp Leu Ala Asn Gly Ser Thr Ala His Pro Val Val Phe Pro Val Ala
 145 150 155 160

Asp Cys Gly Asn Gly Arg Val Gly Xaa Val Ser Leu Gly Ala Arg Lys
 165 170 175

Asn Leu Ser Glu Arg Trp Asp Ala Tyr Cys Phe Arg Val Gln Asp Val
 180 185 190
 Ala Cys Arg Cys Arg Asn Gly Phe Val Gly Asp Gly Ile Ser Thr Cys
 195 200 205
 Asn Gly Lys Leu Leu Asp Val Leu Ala Ala Thr Ala Asn Phe Ser Thr
 210 215 220
 Phe Tyr Gly Met Leu Leu Gly Tyr Ala Asn Ala Thr Gln Arg Gly Leu
 225 230 235 240
 Asp Phe Leu Asp Phe Leu Asp Asp Glu Leu Thr Tyr Lys Thr Leu Phe
 245 250 255
 Val Pro Val Asn Glu Gly Phe Val Asp Asn Met Thr Leu Ser Gly Pro
 260 265 270
 Asp Leu Glu Leu His Ala Ser Asn Ala Thr Leu Leu Ser Ala Asn Ala
 275 280 285
 Ser Gln Gly Lys Leu Leu Pro Ala His Ser Gly Leu Ser Leu Ile Ile
 290 295 300
 Ser Asp Ala Gly Pro Asp Asn Ser Ser Trp Ala Pro Val Ala Pro Gly
 305 310 315 320
 Thr Val Val Val Ser Arg Ile Ile Val Trp Asp Ile Met Ala Phe Asn
 325 330 335
 Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala Pro Pro Gln Pro
 340 345 350
 Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala Ala Gly Val Gly
 355 360 365
 Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val Ala Gly Ala Leu
 370 375 380
 Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly Phe Ser Ala Phe
 385 390 395 400
 Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro Trp Gln Glu Gly
 405 410 415
 Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val Phe Gly Ser Asp
 420 425 430
 Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu Glu Asp Phe Pro
 435 440 445
 Asp Thr Gln Arg Ile Leu Thr Val Lys
 450 455

<210> 109
 <211> 103
 <212> PRT

<213> Homo sapiens

<400> 109

Met	Gly	Ser	Trp	Cys	Leu	Arg	Gly	Gly	Ala	Val	Glu	Glu	Pro	Ala	Leu
1				5					10				15		

Gln	Ser	Arg	Glu	Met	Gly	Tyr	Ile	Pro	Val	Leu	Leu	Pro	Ser	Ile	Gly
				20				25				30			

Leu	Glu	Val	Ser	Gln	Leu	Leu	Ala	Gly	Ala	Gly	Asp	Ile	Arg	Asp	Pro
				35			40				45				

Pro	Asn	Gln	Glu	Ile	Pro	His	Gln	Leu	Phe	Ser	Arg	Asp	Val	Ala	Asn
				50			55				60				

Pro	Ile	Cys	Arg	Asp	Phe	Ile	Thr	Arg	Glu	Thr	Leu	Ser	Thr	Glu	Ile
	65				70				75					80	

Leu	Met	Ile	Asp	Ile	Leu	Leu	Thr	Arg	Ser	Ser	Pro	Leu	Thr	Phe	Cys
				85				90					95		

Leu	Tyr	Arg	Asp	Ala	Phe	Asp									
				100											

<210> 110

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 110

Met	Gly	Gly	Thr	Glu	Ser	Tyr	Ile	Ser	Ser	Pro	Leu	Leu	Arg	Thr	
1				5				10					15		

Leu	Leu	Leu	Ser	Tyr	Leu	Val	Phe	Leu	Tyr	Tyr	Leu	Tyr	Leu	Leu	Phe
				20				25					30		

Tyr	Val	Ala	Arg	Ser	Pro	Phe	Gly	Lys	Ala	Glu	Tyr	Lys	Xaa		
				35			40				45				

<210> 111

<211> 210

<212> PRT

<213> Homo sapiens

<400> 111

Met	Ala	Ser	Leu	Leu	Gln	Gln	Ile	Glu	Ile	Glu	Arg	Ser	Leu	Tyr	Ser
1				5				10					15		

Asp	His	Glu	Leu	Arg	Ala	Leu	Asp	Glu	Asn	Gln	Arg	Leu	Ala	Lys	Lys
				20				25					30		

Lys Ala Asp Leu His Asp Glu Glu Asp Glu Gln Asp Ile Leu Leu Ala
 35 40 45

Gln Asp Leu Glu Asp Met Trp Glu Gln Lys Phe Leu Gln Phe Lys Leu
 50 55 60

Gly Ala Arg Ile Thr Glu Ala Asp Glu Lys Asn Asp Arg Thr Ser Leu
 65 70 75 80

Asn Arg Lys Leu Asp Arg Asn Leu Val Leu Leu Val Arg Glu Lys Phe
 85 90 95

Gly Asp Gln Asp Val Trp Ile Leu Pro Gln Ala Glu Trp Gln Pro Gly
 100 105 110

Glu Thr Leu Arg Gly Thr Ala Glu Arg Thr Leu Ala Thr Leu Ser Glu
 115 120 125

Asn Asn Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr
 130 135 140

Thr Phe Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala
 145 150 155 160

Lys Val Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln
 165 170 175

Ala Gly Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly
 180 185 190

Asp Tyr Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser
 195 200 205

Asp Leu
 210

<210> 112

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals stop translation

<400> 112

Met Val Leu Thr Gly Val Arg Leu Met Lys Trp Arg Asp Glu Lys Thr
 1 5 10 15

Phe Gly Thr Asp Cys Val Glu Ala Val Ile Leu Leu Val Thr Leu Leu
 20 25 30

Trp Glu Lys Lys Glu Ala Phe His Val Gly Phe Ser Glu Glu Leu Gln
 35 40 45

Tyr Phe Pro Glu Arg Ser Thr Glu Lys Leu Lys Val Phe Glu Trp Glu

50

55

60

Glu Glu Lys Gln Thr Thr Ala Thr Ser Glu Asp Asn Thr Lys His Leu
 65 70 75 80

Val His Ser Val Tyr Thr Arg Gly Ala Val Asn Phe Leu Val Glu Lys
 85 90 95

Glu Leu Ser Leu Glu Lys Tyr Leu Lys Lys Pro Leu Lys Xaa
 100 105 110

<210> 113

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals stop translation

<400> 113

Met Ala Ala Val Met Leu Val Leu Thr Val Val Leu Gly Leu Tyr Asn
 1 5 10 15

Ser Tyr Asn Ser Cys Ala Glu Gln Ala Asp Gly Pro Leu Gly Arg Ser
 20 25 30

Thr Cys Ser Ala Ala Pro Gly Thr Pro Gly Gly Ala Gln Asp Ser Ser
 35 40 45

Met Ser Ser Leu Gln Ser Ser Arg Lys Pro His Thr Xaa
 50 55 60

<210> 114

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (135)

<223> Xaa equals stop translation

<400> 114

Met Val Glu Asn Ser Pro Ser Pro Leu Pro Glu Arg Ala Ile Tyr Gly
 1 5 10 15

Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr Leu Val
 20 25 30

Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser Leu Gly Leu Thr Tyr
 35 40 45

Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Ile
 50 55 60

Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser
 65 70 75 80

Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys
 85 90 95

Asn Gln Gln Gln Lys Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg
 100 105 110

Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys
 115 120 125

Glu Leu Tyr Thr Lys Asn Xaa
 130 135

<210> 115

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 115

Met Arg Leu Gln Pro Asp Ile Cys Asn Leu Pro Thr Asn Pro Leu Ser
 1 5 10 15

Leu Lys Leu Gly Leu Met Leu Leu Ser Leu Thr Leu Cys Leu Glu Lys
 20 25 30

Thr Val Gln Gly Leu Lys Leu Gly Leu Cys Leu Phe Lys Leu Ser Phe
 35 40 45

Ser Glu His Met Val Cys Pro Thr His Pro Gln Ser Ile Arg Trp Phe
 50 55 60

Tyr Phe Met Phe Arg Leu Gln Cys Cys Xaa
 65 70

<210> 116

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals stop translation

<400> 116

Met Ala Ala Gly Trp Val Arg Ser Trp Val Val Tyr Phe Leu Val Thr
 1 5 10 15

Leu Leu Gly Ser Ser Pro Ser Pro Val Ser Leu Thr Glu Gly Lys Lys
 20 25 30

Ile Pro Lys Gly Thr Ala Thr Val Leu Gly Gly Ala Leu Asp Cys Val
 35 40 45

His Leu Asn Phe Gly Pro Ser Phe Asp Val Trp Phe Val Ser His Lys
 50 55 60

Glu Lys Tyr Leu Lys Val Asn Met Met Leu Leu Ala Tyr Tyr Pro Asp
 65 70 75 80

Tyr Cys Met Lys Leu Cys Leu Xaa
 85

<210> 117

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals stop translation

<400> 117

Met Leu Tyr Ile Leu Leu Lys Pro Leu Leu Cys Leu Ser Val Asn Cys
 1 5 10 15

Thr Asn Ile Tyr Gln Met Leu Thr Lys Ser Gln Gly Leu Asp Leu Ala
 20 25 30

Leu Gly Arg Asn Xaa
 35

<210> 118

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals stop translation

<400> 118

Met Trp Trp Trp Leu Met Leu Ala Thr Thr Ala Leu Lys Pro Ile Ala
 1 5 10 15

Thr Ser Ser Ser Cys Thr Glu Ala Leu Pro Gly Leu Trp Arg Asp Arg
 20 25 30

His Trp Gly Asp Trp Thr Arg Gly Ser Gly Trp Glu Val Gly Gln Thr
 35 40 45

Trp Gln His Xaa

50

<210> 119
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals stop translation

<400> 119
Met Gly Ser Trp Phe Tyr Leu Phe Leu Ala Pro Leu Phe Lys Gly Leu
1 5 10 15
Ala Gly Ser Leu Pro Phe Gly Cys Leu Ser Leu Leu Gln Pro Thr Glu
20 25 30
Lys Thr Ala Leu Gln Ser Gly Gly Ser Ser Xaa
35 40

<210> 120
<211> 32
<212> PRT
<213> Homo sapiens

<400> 120
Met Gly Pro Lys Ser Gln Thr Glu Arg Thr Ser Ser Leu Met Pro His
1 5 10 15
Gln Val Arg Glu Arg Arg Ala His Ile Pro Gln Met Pro Met Asn Thr
20 25 30

<210> 121
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals stop translation

<400> 121
Met Phe Lys Asp Phe Ile Phe Leu Thr Phe Leu Pro Lys Leu Ser Gln
1 5 10 15
Phe Val Lys Gly Ser Leu Ile Ser Gly Leu Ser Glu Cys Asp Asn Thr
20 25 30
Ser Leu Lys Ala Ile Leu Gly Phe Ser Asn Tyr Ser Gln Xaa

35

40

45

<210> 122

<211> 178

<212> PRT

<213> Homo sapiens

<400> 122

Met	Ala	Lys	Val	Ala	Lys	Asp	Leu	Asn	Pro	Gly	Val	Lys	Lys	Met	Ser
1														15	

Leu	Gly	Gln	Leu	Gln	Ser	Ala	Arg	Gly	Val	Ala	Cys	Leu	Gly	Cys	Lys
														30	
			20					25							

Gly	Thr	Cys	Ser	Gly	Phe	Glu	Pro	His	Ser	Trp	Arg	Lys	Ile	Cys	Lys
			35			40					45				

Ser	Cys	Lys	Cys	Ser	Gln	Glu	Asp	His	Cys	Leu	Thr	Ser	Asp	Leu	Glu
			50			55				60					

Asp	Asp	Arg	Lys	Ile	Gly	Arg	Leu	Leu	Met	Asp	Ser	Lys	Tyr	Ser	Thr
			65		70				75				80		

Leu	Thr	Ala	Arg	Val	Lys	Gly	Gly	Asp	Gly	Ile	Arg	Ile	Tyr	Lys	Arg
			85					90				95			

Asn	Arg	Met	Ile	Met	Thr	Asn	Pro	Ile	Ala	Thr	Gly	Lys	Asp	Pro	Thr
			100					105				110			

Phe	Asp	Thr	Ile	Thr	Tyr	Glu	Trp	Ala	Pro	Pro	Gly	Val	Thr	Gln	Lys
			115			120					125				

Leu	Gly	Leu	Gln	Tyr	Met	Glu	Leu	Ile	Pro	Lys	Glu	Lys	Gln	Pro	Val
			130			135				140					

Thr	Gly	Thr	Glu	Gly	Ala	Phe	Thr	Ala	Ala	Ser	Ser	Cys	Thr	Ser
			145		150			155				160		

Ser	Pro	Ser	Met	Thr	Arg	Ile	Pro	Arg	Ala	Ala	Val	Asp	Phe	Trp	Arg
			165				170					175			

Met Ser

<210> 123

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 123

Met Gly Ile Met Leu Leu Ser Tyr Ser Asn Gly Thr Val Leu Phe Ile

1

5

10

15

Phe Val Pro Gln Ile Thr Ser Ser Val Leu Ser Val Phe Cys Ile Val
 20 25 30

Phe Val Gln Asp Ser Leu Gly Phe Ile Ser Val Ile Ser Ala Phe Xaa
 35 40 45

<210> 124

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals stop translation

<400> 124

Met Lys Leu Leu Leu Leu Thr Leu Thr Val Leu Leu Leu Ser Gln
 1 5 10 15

Leu Thr Pro Gly Gly Thr Gln Arg Cys Trp Asn Leu Tyr Gly Lys Cys
 20 25 30

Arg Tyr Arg Cys Ser Lys Lys Glu Arg Val Tyr Val Tyr Cys Ile Asn
 35 40 45

Asn Lys Met Cys Cys Val Lys Pro Lys Tyr Gln Pro Lys Glu Arg Trp
 50 55 60

Trp Pro Phe Xaa
 65

<210> 125

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals stop translation

<400> 125

Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys Leu Ala Val Pro
 1 5 10 15

Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu Phe His Ser Cys
 20 25 30

Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp Arg Glu Phe Tyr
 35 40 45

Arg Asp Trp Trp Asn Ser Glu Ser Val Thr Tyr Phe Trp Gln Asn Trp
 50 55 60

Asn Ile Pro Val His Lys Trp Cys Ile Arg Xaa
 65 70 75

<210> 126

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals stop translation

<400> 126

Met Thr Lys Glu Asp Lys Ala Ser Ser Glu Ser Leu Arg Leu Ile Leu
 1 5 10 15

Val Val Phe Leu Gly Gly Cys Thr Phe Ser Glu Ile Ser Ala Leu Arg
 20 25 30

Phe Leu Gly Arg Glu Lys Gly Tyr Arg Phe Ile Phe Leu Thr Thr Ala
 35 40 45

Val Thr Asn Ser Ala Arg Leu Met Glu Ala Met Ser Glu Val Lys Ala
 50 55 60

Xaa

65

<210> 127

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals stop translation

<400> 127

Met Leu Leu Tyr Tyr Ser Val Met Thr Leu Ser Ser Leu Gly Gln Asp
 1 5 10 15

Pro Ser Leu Pro Thr Phe Ala Asp Arg His Ser Gly Met Trp Arg Gln
 20 25 30

Gln Cys Val Pro Xaa Thr Phe Leu Tyr Pro Pro Ala Val Gly Ser Thr

35

40

45

Gln Trp Lys Gly Asp Met Thr Leu Ile Leu Leu Phe Xaa
 50 55 60

<210> 128

<211> 31

<212> PRT

<213> Homo sapiens

<400> 128

Met Ser Lys Arg Phe Thr Leu Asp Tyr Leu Phe Leu Ser Glu Ile Val
 1 5 10 15

Leu Cys Leu Phe Tyr Tyr Leu Leu Leu Ile Arg Ala Leu Ala Leu
 20 25 30

<210> 129

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals stop translation

<400> 129

Met Gln Ile Ile Phe Leu Ala Val Thr Cys Ser Phe Thr Thr Ala Glu
 1 5 10 15

Ser Ala Val Ala Arg Xaa
 20

<210> 130

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals stop translation

<400> 130

Met Gly Phe Ser His Arg Ser Pro Pro Val Ala His Pro Arg Ala Arg
 1 5 10 15

Asn Arg Arg Ser Gln Glu Val Val Thr Glu Leu Gly Pro Cys Leu Leu
 20 25 30

Leu Cys Thr Leu Leu Val Gln Thr Gly Val Val Gly Ser Gln Ala Leu
 35 40 45

Xaa

<210> 131
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals stop translation

<400> 131
Met Val Gly Ser Ala Met Met Gly Gly Ile Leu Leu Ala Leu Ile Glu
1 5 10 15

Gly Val Gly Ile Leu Leu Thr Arg Tyr Thr Ala Gln Gln Phe Arg Asn
20 25 30

Ala Pro Pro Phe Leu Glu Asp Pro Ser Gln Leu Pro Pro Lys Asp Gly
35 40 45

Thr Pro Ala Pro Gly Tyr Pro Ser Tyr Gln Gln Tyr His Xaa
50 55 60

<210> 132
<211> 161
<212> PRT
<213> Homo sapiens

<400> 132
Met Pro Gly Leu Ser Ala Ala Leu Thr Asp Cys Ser Ser Leu Pro His
1 5 10 15

Gly Phe Pro Phe Phe Leu Glu Tyr Leu Phe Phe Arg Gly Asn Met Gln
20 25 30

Leu Gly Leu Lys Thr Phe Pro Pro Ile Ser Pro Thr Gln Pro Arg Leu
35 40 45

Gly Phe Ser Gly Glu Leu Arg Ser Leu Ser Val Phe Ile Phe His Pro
50 55 60

Phe Ile Val Thr Ser Phe Val Ile Leu Phe Phe Phe Gly Gly Asp Gly
65 70 75 80

Val Ile Val Asn Leu Ile Ser Val Ser Tyr Leu Phe Ala Ser Pro Pro
85 90 95

Ser Pro Pro His Glu Leu Leu Pro Ser Arg Gly Leu Ala Gln Leu Ala
100 105 110

Leu Gly Thr Arg Glu Arg Thr Asp Ser Gly Pro Pro Gln Leu Ser Pro
115 120 125

Pro Ser Leu Trp Lys Gly Gly Trp Gly Ser Gly Ala Ser Ser Trp Ala

Ile Gly Leu Gln Ile Ser Leu Thr Gly Arg Arg Ala Gln Lys Asn Asn
 20 25 30

Ile Phe Leu His Phe Phe Gly Ser Ile Leu Lys Asn Lys Lys Gly Thr
 35 40 45

Pro Lys Gly Ser Leu Val Thr Pro Leu Leu Gly Phe Leu Ile Thr Asn
 50 55 60

Ile Ile Phe Thr Cys Lys Val Asn Gly Pro Leu Ile Ser
 65 70 75

<210> 136

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 136

Met Glu Gly Leu Met Leu Pro Leu Leu Ser Val Ile Tyr Ser Glu Gly
 1 5 10 15

Thr Val Trp Glu Glu Ile Ile Val Ser Gly Arg Gln Tyr Tyr Xaa
 20 25 30

<210> 137

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 137

Met Cys Gly Val Thr Tyr Ala Trp Tyr Met Pro Leu Leu Leu Lys
 1 5 10 15

Phe Tyr Ser Leu Leu Ala Gln Val Leu Leu Asn Pro Phe Leu Met
 20 25 30

Cys Thr Gly Trp Arg Lys Asn Tyr Ser Gln His Phe Glu Arg Lys Val
 35 40 45

Phe Arg Asn Asn Ile Asn Trp His Tyr Xaa
 50 55

<210> 138

<211> 40

<212> PRT

<213> Homo sapiens

<400> 138

Met	Phe	Ile	Phe	Arg	Asp	Gly	Leu	Thr	Met	Phe	Ser	Arg	Leu	Val	Ser
1									10					15	

Asn	Ser	Cys	Pro	Gln	Val	Ile	Leu	Pro	Ser	Trp	Pro	Pro	Glu	Ser	Leu
								20					30		

Gly	Gly	Ser	Gly	Arg	Arg	Ile	Ser								
							35						40		

<210> 139

<211> 47

<212> PRT

<213> Homo sapiens

<400> 139

Met	Ser	Trp	Gly	Tyr	Phe	Leu	Gly	Ala	Ser	Val	Leu	Leu	Gln	Asn	Phe
1					5					10			15		

Phe	Ser	Ser	Tyr	Leu	Leu	Thr	Pro	Ser	Gly	Lys	Ile	Ile	Glu	Glu	Val
					20				25				30		

Thr	Val	Val	Lys	Ala	Ser	Val	Asn	Ser	Ile	Ser	Lys	Asn	Phe	Met	
						35		40			45				

<210> 140

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals stop translation

<400> 140

Met	Pro	Gly	Ile	Phe	Ile	Leu	Phe	Met	Thr	Leu	Ala	Ser	Thr	Phe	Asp
1					5				10			15			

Gln	Arg	Leu	Leu	Asn	Asp	Ser	Gln	Pro	Lys	Asp	His	Ser	Xaa		
							20		25			30			

<210> 141

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 141

Met Ala Trp Val Thr Ser Tyr Gly Pro Leu Glu Asp Glu Ser Asn Pro
 1 5 10 15

Ser His Trp Phe Phe Ala Asn Ser Phe Ala Phe Ile Phe Leu Ile
 20 25 30

Thr Ile Asn Ser Ile Phe His Val Leu Arg Ala Pro Gly Xaa
 35 40 45

<210> 142

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 142

Met Asn Gln Arg Tyr Arg His Lys Ile Lys Asn Tyr Lys Thr Ile His
 1 5 10 15

Tyr Ala Tyr Asp Ser Cys Asn Asn Lys Lys Val Gln Gly Thr Ile Ile
 20 25 30

Ser Tyr Asn Arg Gly Ile Thr Ser His Arg Glu Gln Gln Tyr His Ile
 35 40 45

Ala Gly Ile Tyr Thr Arg Ile Leu Gly Asn Leu Val Trp Ile Tyr Thr
 50 55 60

Arg Ile Pro Gly Asp Pro Val Trp Leu Val Arg Gly Phe Pro Glu Lys
 65 70 75 80

Xaa Ile Ser Glu Ser
 85

<210> 143

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 143

Met Lys Asn Met His Val Tyr Leu Asn Tyr Asn Asn Phe Leu Leu Xaa
 1 5 10 15

Leu Leu Arg Leu Met Leu Asn Ile Cys Ser Phe Thr Gln Pro Leu Val
 20 25 30

Ala Glu Glu Glu Arg Pro Leu Thr Pro Leu

35

40

<210> 144

<211> 65

<212> PRT

<213> Homo sapiens

<400> 144

Met	Asp	Glu	Glu	Arg	Glu	Ile	Ile	Ser	His	Gly	Glu	Phe	Cys	Asn	Val
1															

5

10

15

Ser	Arg	Glu	Arg	Asp	Trp	Val	Gly	Arg	Gln	Ala	Ser	Gln	Phe	Val	Lys

20

25

30

Cys	Lys	Gly	Thr	Thr	His	Arg	Thr	Leu	Ser	Leu	Thr	Arg	Ala	Val	Ser

35

40

45

Tyr	Val	Val	Leu	Ser	Pro	Leu	Ala	Lys	Asp	Leu	Pro	Leu	Leu	Ala	Ser

50

55

60

Asp

65

<210> 145

<211> 312

<212> PRT

<213> Homo sapiens

<400> 145

Met	Ala	Ala	Gly	Val	Asp	Cys	Gly	Asp	Gly	Val	Gly	Ala	Arg	Gln	His
1															

5

10

15

Val	Phe	Leu	Val	Ser	Glu	Tyr	Leu	Lys	Asp	Ala	Ser	Lys	Lys	Met	Lys

20

25

30

Asn	Gly	Leu	Met	Phe	Val	Lys	Leu	Val	Asn	Pro	Cys	Ser	Gly	Glu	Gly

35

40

45

Ala	Ile	Tyr	Leu	Phe	Asn	Met	Cys	Leu	Gln	Gln	Leu	Phe	Glu	Val	Lys

50

55

60

Val	Phe	Lys	Glu	Lys	His	His	Ser	Trp	Phe	Ile	Asn	Gln	Ser	Val	Gln

65

70

75

80

Ser	Gly	Gly	Leu	Leu	His	Phe	Ala	Thr	Pro	Val	Asp	Pro	Leu	Phe	Leu

85

90

95

Leu	Leu	His	Tyr	Leu	Ile	Lys	Ala	Asp	Lys	Glu	Gly	Lys	Phe	Gln	Pro

100

105

110

Leu	Asp	Gln	Val	Val	Asp	Asn	Val	Phe	Pro	Asn	Cys	Ile	Leu	Leu

115

120

125

Leu	Lys	Leu	Pro	Gly	Leu	Glu	Lys	Leu	Leu	His	His	Val	Thr	Glu	Glu

130

135

140

Lys Gly Asn Pro Glu Ile Asp Asn Lys Lys Tyr Tyr Lys Tyr Ser Lys
 145 150 155 160

Glu Lys Thr Leu Lys Trp Leu Glu Lys Lys Val Asn Gln Thr Val Ala
 165 170 175

Ala Leu Lys Thr Asn Asn Val Asn Val Ser Ser Arg Val Gln Ser Thr
 180 185 190

Ala Phe Phe Ser Gly Asp Gln Ala Ser Thr Asp Lys Glu Glu Asp Tyr
 195 200 205

Ile Arg Tyr Ala His Gly Leu Ile Ser Asp Tyr Ile Pro Lys Glu Leu
 210 215 220

Ser Asp Asp Leu Ser Lys Tyr Leu Lys Leu Pro Glu Pro Ser Ala Ser
 225 230 235 240

Leu Pro Asn Pro Pro Ser Lys Lys Ile Lys Leu Ser Asp Glu Pro Val
 245 250 255

Glu Ala Lys Glu Asp Tyr Thr Lys Phe Asn Thr Lys Asp Leu Lys Thr
 260 265 270

Glu Lys Lys Asn Ser Lys Met Thr Ala Ala Gln Lys Ala Leu Ala Lys
 275 280 285

Val Asp Lys Ser Gly Met Lys Ser Ile Asp Thr Phe Phe Gly Val Lys
 290 295 300

Asn Lys Lys Lys Ile Gly Lys Val
 305 310

<210> 146

<211> 58

<212> PRT

<213> Homo sapiens

<400> 146

Met Asp Lys Asn Val Thr Arg Ser Arg Thr Ile Lys Leu Val Gln Ala
 1 5 10 15

Ser Trp Thr Pro Pro Phe Gln Leu Pro Ala Phe Cys Leu Met Pro Val
 20 25 30

Cys Gln Trp Leu Glu Leu Gly Leu Leu Phe Arg Thr Ser Val Ala Ile
 35 40 45

Leu Ile Leu Pro Trp Gly His Asn Cys Pro
 50 55

<210> 147

<211> 63

<212> PRT

<213> Homo sapiens

<400> 147

Met	Gly	Gln	Thr	Glu	Ala	Met	Gln	Glu	Glu	Met	Arg	Thr	Arg	Thr	Cys
1															15

Thr	Thr	Thr	Pro	Gln	Pro	Met	Glu	Thr	Ile	Arg	Gln	Asn	Lys	Thr	Arg
									25					30	

Arg	His	Met	Thr	Arg	Lys	Gln	Ala	Trp	Thr	Leu	Gln	Lys	Cys	Gln	Cys
														45	

His	Glu	Arg	Gln	Lys	Leu	Gly	Met	Leu	Phe	Trp	Ile	Lys	Gly	Asp

<210> 148

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals stop translation

<400> 148

Met	Tyr	Leu	Ile	His	Leu	Tyr	Gln	Val	Leu	Lys	Tyr	Leu	Asp	Lys	Ser
1									10					15	

Lys	Tyr	Phe	Val	Phe	Ser	Phe	Phe	Leu	Leu	Ser	Ile	Leu	Leu	Thr	Thr
									25					30	

Val	Lys	Arg	Cys	Ser	Ile	Leu	Ile	Trp	Ser	Val	Leu	Arg	Arg	Lys	Thr
									40					45	

Met	Lys	Ala	Glu	Leu	Val	Cys	Ala	Thr	Gln	Ser	Lys	Pro	Leu	Leu	Phe

Phe	Trp	Lys	Asp	Gly	Val	Met	Phe	Phe	Lys	Asp	Ser	Asn	Lys	Tyr	Pro
														80	

Ala	Val	Ile	Ser	Xaa											
				85											

<210> 149

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 149

Met	Thr	Ser	Tyr	Ile	Ile	Asn	Leu	Ser	Phe	Phe	Leu	Pro	Leu	Ala	Thr
1									5					10	15

Arg Lys Val Ser Ala Lys Pro Cys Gly Xaa
20 25

<210> 150

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals stop translation

<400> 150

Met Leu Pro Leu Met Thr Tyr Ile Ile Gln Tyr Ile Tyr Thr Tyr Ile
1 5 10 15

Xaa Xaa Val Arg Val Leu Ala Ile Leu Phe Leu Arg Arg Val Leu Ser
20 25 30

Gln Thr Leu Leu His Ala Val Tyr Gly Val Ser Cys Val Leu Ile Phe
35 40 45

Xaa

<210> 151

<211> 63

<212> PRT

<213> Homo sapiens

<400> 151

Met Val Cys Gly Val Phe Cys Cys Leu Pro Leu Glu Val Leu Pro Phe
1 5 10 15

Ser Arg Pro Ile Asn Val Leu Trp Leu Leu Asn Tyr Ser Ser Thr Leu
20 25 30

Gln Cys Thr Gly Phe Pro Pro Gly Val Asn Thr Asn Gly Gly His Leu
35 40 45

Leu Val Phe Leu Glu Val Leu Gly Glu Phe Ser Asp Leu Trp Leu
50 55 60

<210> 152

<211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 152
 Met Ser Ser Gly Leu Phe Leu Val Leu Phe Cys Phe Leu Cys Val Phe
 1 5 10 15
 Val Gly Phe Phe Asp Phe His Cys Trp Cys Asp Ile Leu Val Lys Ser
 20 25 30

Ser Xaa

<210> 153
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals stop translation

<400> 153
 Met Arg Cys Leu Thr Thr Pro Met Leu Leu Arg Ala Leu Ala Gln Ala
 1 5 10 15

Ala Arg Ala Gly Pro Pro Gly Gly Arg Ser Leu His Ser Ser Ala Val
 20 25 30

Ala Ala Thr Tyr Lys Tyr Val Asn Met Gln Asp Pro Glu Met Asp Met
 35 40 45

Lys Ser Val Thr Asp Arg Ala Ala Arg Thr Leu Leu Trp Thr Glu Leu
 50 55 60

Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe Arg Glu Pro Ala
 65 70 75 80

Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser Pro Arg Phe Arg
 85 90 95

Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu Glu Arg Cys Ile
 100 105 110

Ala Cys Lys Leu Cys Glu Ala Ile Cys Pro Ala Gln Ala Ile Xaa Ile

115

120

125

Glu Ala Glu Pro Arg Ala Asp Gly Ser Arg Arg Thr Thr Arg Tyr Asp
 130 135 140

Ile Asp Met Thr Lys Cys Ile Tyr Cys Gly Phe Cys Gln Glu Ala Cys
 145 150 155 160

Pro Val Asp Ala Ile Val Glu Gly Pro Asn Phe Glu Phe Ser Thr Glu
 165 170 175

Thr His Glu Glu Leu Leu Tyr Asn Lys Glu Lys Leu Leu Asn Asn Gly
 180 185 190

Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr Leu
 195 200 205

Tyr Arg Xaa
 210

<210> 154

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals stop translation

<400> 154

Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Ala Pro Ala Ser Ala Cys
 1 5 10 15

Leu Leu Leu Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro
 20 25 30

Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Lys Leu Pro Gly
 35 40 45

Gln Gln Leu Leu Leu Cys Ala Ala Val Pro Ala Thr Gln His Ser Ala
 50 55 60

Thr Leu Pro Ala Glu Gln Pro His Pro His Ala Ala Xaa Arg His Leu
 65 70 75 80

Trp Val Gln Pro Ala His Pro Val Ala Leu Leu Gln Gln Pro Leu His
 85 90 95

His Leu Pro Gly His Phe Pro Pro Leu Ala Ser Pro Gly Gly Ser Gly
 100 105 110

Pro Arg Xaa
115

<210> 155
<211> 227
<212> PRT
<213> Homo sapiens

<400> 155			
Met Asp Phe Glu Asn Leu Phe Ser Lys Pro Pro Asn Pro Ala Leu Gly			
1	5	10	15
Lys Thr Ala Thr Asp Ser Asp Glu Arg Ile Asp Asp Glu Ile Asp Thr			
20 25 30			
Glu Val Glu Glu Thr Gln Glu Glu Lys Ile Lys Leu Glu Cys Glu Gln			
35	40	45	
Ile Pro Lys Lys Phe Arg His Ser Ala Ile Ser Pro Lys Ser Ser Leu			
50	55	60	
His Arg Lys Ser Arg Ser Lys Asp Tyr Asp Val Tyr Ser Asp Asn Asp			
65	70	75	80
Ile Cys Ser Gln Glu Ser Glu Asp Asn Phe Ala Lys Glu Leu Gln Gln			
85	90	95	
Tyr Ile Gln Ala Arg Glu Met Ala Asn Ala Ala Gln Pro Glu Glu Ser			
100	105	110	
Thr Lys Lys Glu Gly Val Lys Asp Thr Pro Gln Ala Ala Lys Gln Lys			
115	120	125	
Asn Lys Asn Leu Lys Ala Gly His Lys Asn Gly Lys Gln Lys Lys Met			
130	135	140	
Lys Arg Lys Trp Pro Gly Pro Gly Asn Lys Gly Ser Asn Ala Leu Leu			
145	150	155	160
Arg Asn Ser Gly Ser Gln Glu Glu Asp Gly Lys Pro Lys Glu Lys Gln			
165	170	175	
Gln His Leu Ser Gln Ala Phe Ile Asn Gln His Thr Val Glu Arg Lys			
180	185	190	
Gly Lys Gln Ile Cys Lys Tyr Phe Leu Glu Arg Lys Cys Ile Lys Gly			
195	200	205	
Asp Gln Cys Lys Phe Asp His Asp Ala Glu Ile Glu Lys Lys Lys Lys			
210	215	220	
Lys Thr Arg			
225			

<210> 156
<211> 114

<212> PRT
<213> *Homo sapiens*

<400> 156
 Met His Gln Val Ser Thr Cys Phe Gly Pro Gly Arg Gly Leu Ala Leu
 1 5 10 15
 Thr Phe Met Thr Leu His Ser Phe Arg Glu Ala Ile Thr Leu Asp Cys
 20 25 30
 Asn Thr Asn Asp Arg Arg Pro Ser Gly Gln Arg Pro Pro Arg Pro Ser
 35 40 45
 Ala Pro Gln Arg Arg Gly Pro Arg Gly Arg Arg Cys Pro Ser Cys Ser
 50 55 60
 Pro Cys Ala Leu Ser Leu Thr Ser Pro Gly Ser Cys Leu Leu Lys Thr
 65 70 75 80
 Pro Val Phe Thr Pro Tyr Lys Ala Ser Ser Glu Gln Thr Gly Arg Pro
 85 90 95
 Leu Val Glu Pro Ala His Pro Val Pro Ser Ala Trp Arg Pro Gly Pro
 100 105 110
 Arg Ala

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<210> 157
<211> 46
<212> PRT
<213> Homo sapiens

<400> 157
Met Ser Arg Thr Asn Thr Trp Val Ser Trp Gln Ala Ser Arg Ala Asp
   1           5           10          15
Trp Pro Glu Thr Asp Pro Gln Glu Ala Leu Gln Pro Ala Leu Val Pro
   20          25          30
Ser His Ser Asp Leu Asn Pro Gly Ser Ser Arg Ser Ala Val
   35          40          45

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<210> 158
<211> 36
<212> PRT
<213> *Homo sapiens*

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<220>
<221> SITE
<222> (36)
<223> Xaa equals stop translation
```

<400> 158
Met Leu Phe Gln Cys Gln Val Leu Leu Ser Ile Phe Ser Phe Leu Glu
1 5 10 15

Pro Val Leu Ser Ser Gly Ser Ser Arg Leu Val Phe Tyr Asn Leu Ser
20 25 30

Asn Ile Met Xaa
35

<210> 159
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals stop translation

<400> 159
Met Val Phe Ser Ala Lys Ile Gly Val Arg Tyr Phe Leu Val Leu Ser
1 5 10 15

Cys Leu Pro Asn Cys Cys Leu Pro Ala Asp Trp Trp His Ala Gln Trp
20 25 30

Leu Trp Gly Gln Gly Xaa
35

<210> 160
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals stop translation

<400> 160
Met Tyr Phe Ser Leu Leu Val Leu Leu Phe Ser Pro Ser Val Leu Phe
1 5 10 15

Leu Ala Arg Lys Lys Cys Thr Arg Asn Asn Thr Leu Asn Xaa
20 25 30

<210> 161
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals stop translation

<400> 161

Met Val Lys Leu Ser Lys Glu Ala Lys Gln Arg Leu Gln Gln Leu Phe
 1 5 10 15

Lys Gly Ser Gln Phe Ala Ile Arg Trp Gly Phe Ile Pro Leu Val Ile
 20 25 30

Tyr Leu Gly Phe Lys Arg Gly Ala Asp Pro Gly Met Pro Glu Pro Thr
 35 40 45

Val Leu Ser Leu Leu Trp Gly Xaa
 50 55

<210> 162
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

<400> 162
 Met Leu Gly Phe Ala Phe Arg Asp Lys Arg Trp Trp Ile Tyr Phe Ala
 1 5 10 15

Cys Ser Lys Asp Ser Gln Gly Val Arg Ala Ala Tyr Cys Gln Ile Leu
 20 25 30

Leu Leu Phe Tyr Val Ser Val Tyr Ser Leu Ser Phe Ser Tyr Leu Leu
 35 40 45

Asp His Phe Cys Ser Leu Pro Lys Pro Leu Leu Phe Gly Thr Val Ser
 50 55 60

Gln Ile Pro His Phe Xaa
 65 70

<210> 163
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals stop translation

<400> 163
 Met Cys Ser Tyr Cys Met Pro Tyr Leu Ile Ile Phe Leu Ser Val Ile
 1 5 10 15

His Asn His Lys Thr Ile Pro Leu Leu Lys Val Leu Val Asp Lys Leu
 20 25 30

Asn Cys Ile Ile Thr Asp Leu Cys Ile Ser Arg Asp Asp Val Phe Pro

35

40

45

Thr Thr Cys Xaa
50

<210> 164

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals stop translation

<400> 164

Met	Cys	Ala	Asp	Asp	Leu	Leu	Ser	Val	Leu	Leu	Tyr	Leu	Leu	Val	Lys
1					5				10					15	

Thr	Glu	Ile	Pro	Asn	Trp	Met	Ala	Asn	Leu	Ser	Tyr	Ile	Lys	Asn	Phe
						20			25				30		

Arg	Phe	Ser	Ser	Leu	Ala	Lys	Asp	Glu	Leu	Gly	Ile	Leu	Pro	Asp	Leu
						35		40				45			

Ile	Arg	Xaa	Cys	Pro	Leu	Asn	Ile	Arg	Gln	Gly	Ser	Leu	Ser	Ala	Lys
						50		55			60				

Pro	Pro	Glu	Ser	Glu	Gly	Phe	Gly	Asp	Arg	Leu	Phe	Leu	Lys	Gln	Arg
65						70			75				80		

Met	Ser	Leu	Leu	Ser	Gln	Met	Thr	Ser	Ser	Pro	Thr	Asp	Cys	Leu	Phe
						85			90				95		

Lys	Ala	Asp	Ala	Leu	Leu	Glu	Xaa								
						100									

<210> 165

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals stop translation

<400> 165

Met	Ala	Arg	Ile	Thr	Gly	Pro	Pro	Glu	Arg	Asp	Asp	Pro	Tyr	Pro	Val
1						5			10				15		

Leu Phe Arg Tyr Leu His Ser His His Phe Leu Glu Leu Val Thr Leu
 20 25 30

Leu Leu Ser Ile Pro Val Thr Ser Ala His Pro Gly Val Leu Gln Ala
 35 40 45

Thr Lys Asp Val Leu Lys Phe Leu Ala Gln Ser Gln Lys Gly Leu Leu
 50 55 60

Phe Phe Met Ser Glu Tyr Glu Ala Thr Ile Tyr Xaa
 65 70 75

<210> 166

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 166

Met Lys Gln Thr Arg Leu Asn Pro Pro Val Val Phe Ile Leu Leu Gln
 1 5 10 15

Pro Leu Ser Arg Pro Arg Asp Gly Leu Ser Asn Ser Val Leu Ile Ile
 20 25 30

Leu His Ser Val Pro Xaa
 35

<210> 167

<211> 272

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 167

Met	Ser	Ala	Leu	Arg	Arg	Ser	Gly	Tyr	Gly	Pro	Ser	Asp	Gly	Pro	Ser
1															

Tyr	Gly	Arg	Tyr	Tyr	Gly	Pro	Gly	Gly	Asp	Val	Pro	Val	His	Pro
			20			25						30		

Pro	Pro	Pro	Leu	Tyr	Pro	Leu	Arg	Pro	Glu	Pro	Pro	Gln	Pro	Pro	Ile
							35		40			45			

Ser	Trp	Arg	Val	Arg	Gly	Gly	Pro	Ala	Glu	Thr	Thr	Trp	Leu	Gly
					50		55			60				

Glu	Gly	Gly	Gly	Asp	Gly	Tyr	Tyr	Pro	Ser	Gly	Gly	Ala	Trp	Pro
	65			70				75				80		

Glu	Pro	Gly	Arg	Ala	Gly	Gly	Ser	His	Gln	Ser	Leu	Asn	Ser	Tyr	Thr
							85		90			95			

Asn	Gly	Ala	Tyr	Gly	Pro	Thr	Tyr	Pro	Pro	Gly	Pro	Gly	Ala	Asn	Thr
							100		105			110			

Ala	Phe	Ile	Leu	Arg	Gly	Leu	Xaa	Cys	Thr	Trp	Leu	Tyr	Ser	Asp	Gln
							115		120			125			

Leu	Leu	His	Arg	Ile	Pro	Ser	Thr	Tyr	Arg	Ser	Ser	Gly	Asn	Ser	Pro
							130		135			140			

Thr	Pro	Val	Ser	Arg	Trp	Ile	Tyr	Pro	Gln	Gln	Asp	Cys	Gln	Thr	Glu
	145				150				155			160			

Ala	Xaa	Pro	Leu	Arg	Gly	Lys	Val	Pro	Gly	Tyr	Pro	Pro	Ser	Xaa	Xaa
							165		170			175			

Pro	Gly	Met	Xaa	Leu	Pro	His	Tyr	Pro	Tyr	Gly	Asp	Gly	Asn	Arg	Ser
							180		185			190			

Val	Pro	Gln	Ser	Gly	Pro	Thr	Val	Arg	Pro	Gln	Glu	Asp	Ala	Trp	Ala
							195		200			205			

Ser	Pro	Gly	Ala	Tyr	Gly	Met	Gly	Arg	Tyr	Pro	Trp	Pro	Ser	Ser	
							210		215			220			

Ala	Pro	Ser	Ala	Pro	Pro	Gly	Asn	Leu	Tyr	Met	Thr	Glu	Val	Leu	His
	225				230				235			240			

His	Gly	Leu	Ala	Val	Ala	Leu	Pro	Ser	His	Pro	Leu	His	Pro	Gln	Ser
							245		250			255			

Ser	Ser	Pro	Arg	Ile	Leu	His	Thr	Pro	Ile	Ala	Asn	Gln	Ile	Lys	Ala
							260		265			270			

<210> 168
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals stop translation

<400> 168
Met Ile Leu Thr Phe Cys Val Phe Leu Leu Phe Ser Phe His Asn Ala
1 5 10 15

Ile Lys Ser Thr Pro Phe Leu Lys Phe Xaa
20 25

<210> 169
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals stop translation

<400> 169
Met Lys Leu Ile Tyr Tyr Cys His Leu Val Asp Ile Leu Leu Leu Gln
1 5 10 15

Ala Ile Ile Lys Xaa Asn Ala Gly Met Xaa
20 25

<210> 170
<211> 132
<212> PRT
<213> Homo sapiens

<400> 170
Met Ile Glu Cys Pro Asp Trp Ala Arg Thr Ala Ser Leu Ala Lys Gln
1 5 10 15

Arg Arg Lys Val Phe Lys Gln Met Leu Ser Ser Phe Leu His Phe His
20 25 30

Phe Asn Ser Met Met Pro Leu Cys Pro Ser Asp Asp Ile Ser Pro Gly

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35

40

45

Val Trp Asp Ser Ala Gly Leu Pro Cys Leu Leu Arg Arg Leu Pro Gly
 50 55 60

His His Gln Ala Gly Lys Pro Gln Ser Pro Pro Ser Ser Thr Trp Asp
 65 70 75 80

Pro Trp Ala Ser Ser Ile Ser Leu Thr Arg Lys Pro Val Leu Leu
 85 90 95

Ile Leu Gly Pro His Pro Arg Pro Ile Gln Arg Lys Thr Pro Gly Ala
 100 105 110

Ala Leu Gly Ser Leu Cys Phe His Gln Ile Cys Val Lys Thr Gln Met
 115 120 125

Asn Gln Pro Arg
 130

<210> 171

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 171

Met Arg Ala Thr Ile Val Arg Pro Tyr Cys Gln Glu Gly Phe Trp
 1 5 10 15

Leu Leu Ala Leu Val Tyr Lys Gly Ala Arg Ala Ala Pro Leu Asp Tyr
 20 25 30

Ser Trp Glu Asp Ser Asp Ala Gly Arg Leu Leu Pro Trp Val Thr
 35 40 45

Ser Ser Leu Leu Ala Asp Ile Trp Gly Phe Asp Pro Phe Phe Asn
 50 55 60

Leu Leu Leu Leu Arg Cys Ile Xaa
 65 70

<210> 172

<211> 75

<212> PRT

<213> Homo sapiens

<400> 172

Met Phe Tyr Val Tyr Asp His Ser Met Tyr Val Asp Thr His Thr His
 1 5 10 15

Thr His Val Pro Ser Leu Tyr Thr Asn Gly Asn Ile Leu Lys Ile Leu

20

25

30

Phe Cys Thr Phe Thr Val Gln Val Pro Tyr Ser Pro Leu Ser Thr Trp
 35 40 45

Gln Arg Pro Lys Pro Val Lys Gly Arg Val Ser Thr Trp Pro Pro Ser
 50 55 60

Ser Met Ser Ser Ala Arg Ser Pro Gln Gly Pro
 65 70 75

<210> 173
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 173
 Met Ala Leu Leu Val Leu Thr Leu Tyr Cys Ile Leu Phe Leu Lys Ile
 1 5 10 15

Tyr Met Pro Val Pro Ser His Cys Glu Gln Phe Lys Gly Arg Asn Xaa
 20 25 30

<210> 174
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 174
 Met Gln Asn Asp Gly Leu Lys Phe Met Glu Met Val Leu His Val Leu
 1 5 10 15

Gln Ala Ser Ile Gly Val Leu Leu Met Val Asp Val Leu Glu His
 20 25 30

Phe Leu Ala Met Leu Ile Gly Asn Ala Gly Ala Pro Leu Pro Leu Leu
 35 40 45

Asp Val Leu Gly Lys Asp Val Ile Asp Val Ala Glu Arg Arg Glu Ser
 50 55 60

Lys Lys Xaa
 65

<210> 175
<211> 128
<212> PRT
<213> Homo sapiens

<400> 175
Met Gln Trp Gly Glu Gly Ala Gly Pro Ser Trp Val Tyr Ile Leu Ser
1 5 10 15
Trp Asp Ser Arg Ala Ser Leu Cys Met Cys Ala Ala Ser Arg Tyr Leu
20 25 30
Cys Thr Gly Thr Asp Pro Pro Thr Arg Gly Asp Thr Ser Thr Pro His
35 40 45
Lys Ala Ile Leu Pro Leu Asp Pro Cys Pro Gln Ile Ser Arg Thr Ala
50 55 60
Arg Ala Glu Phe Leu Gln Pro Gly Gly Ser Thr Ser Ser Arg Ala Ala
65 70 75 80
Ala Thr Ala Val Glu Leu Gln Leu Leu Phe Pro Leu Val Arg Val Asn
85 90 95
Phe Glu Leu Gly Val Ile Met Val Ile Ala Val Ser Cys Val Lys Leu
100 105 110
Leu Ser Ala His Asn Ser Thr Gln His Thr Ser Arg Lys His Lys Val
115 120 125

<210> 176
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals stop translation

<400> 176
Met Gly Ser Val Trp Asn Cys Leu Leu Ala Leu Leu Glu Lys His Leu
1 5 10 15
Ile Thr Leu Tyr Lys Leu Ile Thr Val Leu Leu Asp Leu Leu Ser
20 25 30
Ala Arg His Lys Cys Phe Thr Ser Val Asn Ser Phe Asn Xaa
35 40 45

<210> 177

<211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 177
 Met Asn Ser Thr Cys Gly Phe Val Thr Ser Ile Asn Gln Ile Phe Leu
 1 5 10 15
 Ile Ile Leu Trp Xaa Leu Tyr Leu Pro Leu Leu Thr Thr Leu Glu
 20 25 30
 Ile Trp Glu Leu Leu Xaa Leu Leu His Xaa
 35 40

<210> 178
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals stop translation

<400> 178
 Met Cys Gly Gly His Ala Ile Asn Val Gly Pro Phe Thr Val Ala Gly
 1 5 10 15
 Arg Gly Arg Asn Leu Gln Phe Leu Arg Val Leu Leu Leu Arg Cys Pro
 20 25 30
 Pro Val Leu Gly His Ser Cys Ser Xaa Pro Cys Pro Ala Trp Ser His
 35 40 45
 Pro Pro Ser Ala Asn Arg Ser Leu Gly Arg Val Leu Trp Ala Leu Ile
 50 55 60

Arg Pro Trp Gln Gly Arg Ser Ser Xaa
65 70

<210> 179
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals stop translation

<400> 179
Met Val Leu Pro Arg Ile Leu Val Leu Met Leu Phe Leu Ala Leu Lys
1 5 10 15

Asn Pro Val Gly Glu Met Arg Asn Leu Thr His Cys Arg Cys Xaa
20 25 30

<210> 180
<211> 72
<212> PRT
<213> Homo sapiens

<400> 180
Met Asp Thr Arg Gly Val Val Leu Arg Ser Gly Glu Phe Asn Arg Gln
1 5 10 15

Glu Gly Arg Glu Lys Thr Glu Gly Arg Ser Ser Ser Ile Trp Arg Gln
20 25 30

Arg Glu Gly Gly Ser Lys Ala Lys Arg Gly Gly Pro Gln Val Gln Trp
35 40 45

Thr Pro Ala Lys Tyr Ile Cys Arg Gly Trp Lys Gly Arg Cys Leu Ile
50 55 60

Tyr Ile Gly Leu Arg Gly Leu Val
65 70

<210> 181
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals stop translation

<400> 181

Met	Pro	His	Ile	Phe	Val	Ser	Gly	Asn	Phe	Ser	Leu	Leu	Ala	Leu	Phe
1				5					10				15		

Leu	Leu	Ser	Ala	Asn	Phe	Ile	Val	Glu	Val	Gln	Ser	Trp	Leu	Leu	Leu
					20			25				30			

Leu	Leu	Phe	Phe	Ile	Xaa	Leu	Gly	Arg	Ser	Tyr	Asn	Phe	Tyr	Leu	Leu
					35			40			45				

Cys	Asp	Ser	Ile	Ile	Phe	Xaa									
					50			55							

<210> 182

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals stop translation

<400> 182

Met	His	Asn	Leu	Ile	Ser	Ser	Ile	Ile	Ser	Phe	Leu	Tyr	Asn	Phe	Cys
1				5					10			15			

Ala	Leu	Pro	Leu	Ala	Ser	Pro	Gln	Phe	Thr	Asn	Glu	Glu	Ser	Ser	Tyr
					20			25			30				

Thr	Ala	Leu	Arg	Ser	Cys	Thr	Arg	Gly	Gly	Phe	Glu	Ser	Arg	Ser	Leu
					35			40			45				

Gly	Thr	Gln	Lys	Ser	Cys	Thr	Phe	Gln	Gly	Lys	Gly	Asp	Tyr	His	Val
					50			55			60				

Thr Ala Xaa

65

<210> 183

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 183

Met	Thr	Thr	Leu	Phe	Glu	Thr	Asp	Arg	Cys	Leu	Leu	Phe	Leu	Val	Met
1				5					10			15			

Ser	Arg	Phe	Gly	Phe	Lys	Ser	Arg	Leu	Glu	Ala	Thr	Ser	Cys	Lys	Gln
					20			25			30				

Val Gln Glu Asn Glu Thr Arg Arg Val Gly Asp Thr Arg Met Lys Thr
 35 40 45

Ser Val Arg Val Lys Thr Lys Gln Thr Met Tyr Ile Ile Cys Ile Trp
 50 55 60

Glu Lys Lys Glu Arg Asn Tyr Leu Thr Xaa
 65 70

<210> 184
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals stop translation

<400> 184
Met Val Ser Asp Ile Ser Gly Gln Lys Gln Ser Leu Glu Ala Val Lys
 1 5 10 15

Glu His Leu Leu Phe Ile Trp Leu Pro Val Tyr Lys Ser Thr His Glu
 20 25 30

Gly Pro Asn Ser Lys Ile Ser Asn Tyr Gln Val Leu Xaa
 35 40 45

<210> 185
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> Xaa equals stop translation

<400> 185
Met Arg Pro Leu Leu Cys Ala Leu Thr Gly Leu Ala Leu Leu Arg Ala
 1 5 10 15

Ala Gly Ser Leu Ala Ala Ala Glu Pro Phe Ser Pro Pro Arg Gly Asp
 20 25 30

Ser Ala Gln Ser Thr Ala Cys Asp Arg His Met Ala Val Gln Arg Arg
 35 40 45

Leu Asp Val Met Glu Glu Met Val Glu Lys Thr Val Asp His Leu Gly
 50 55 60

Thr Glu Val Lys Gly Leu Leu Gly Leu Leu Glu Leu Ala Trp Asn
 65 70 75 80

Leu Pro Pro Gly Pro Phe Ser Pro Ala Pro Asp Leu Leu Gly Asp Gly
 85 90 95

Phe Xaa

<210> 186
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 186
 Met Ala Ser Leu Leu Asp Asn Phe Ile Leu Asn Ile Ile Val Ile Phe
 1 5 10 15

Cys Ile Val Ile Asp Ser Tyr Leu Cys Gly Phe Met Tyr Phe Phe Val
 20 25 30

Ile Asp Ser Pro Val Pro Ala Cys Ser Pro Leu Gln Leu Ser Gln Thr
 35 40 45

Leu Ile Leu Gln Leu Gln Pro Thr Ala Arg Tyr Phe His Xaa
 50 55 60

<210> 187
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 187
 Met Cys Ile Phe Glu Cys Met Cys His Phe Phe Ile Asp Ile Ser Asn
 1 5 10 15

His Tyr Tyr Val Val Arg Phe Tyr Pro Glu Asp Ser Leu Pro Lys Thr
 20 25 30

Phe Ile Tyr Asp Pro Phe Lys Ala
 35 40

<210> 188
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 188
 Met Cys Glu Ser Asn Ser Thr Met Pro Gly Pro Ser Leu Glu Ser Pro
 1 5 10 15

Val Ser Thr Pro Ala Gly Lys Ile Gly Leu Ala Val Cys Tyr Asp Met
 20 25 30

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Arg Phe Pro Glu Leu Ser Leu Ala Leu Ala Gln Ala Gly Ala Glu Ile
 35 40 45

Leu Thr Tyr Pro Ser Ala Phe Gly Ser Ile Thr Gly Pro Ala His Trp
 50 55 60

Glu Val Leu Leu Arg Ala Arg Ala Ile Glu Thr Gln Cys Tyr Val Val
 65 70 75 80

Ala Ala Ala Gln Cys Gly Arg His His Glu Lys Arg Ala Ser Tyr Gly
 85 90 95

His Ser Met Val Val Asp Pro Trp Gly Thr Val Val Ala Arg Cys Ser
 100 105 110

Glu Gly Pro Gly Leu Cys Leu Ala Arg Ile Asp Leu Asn Tyr Leu Arg
 115 120 125

Gln Leu Arg Arg His Leu Pro Val Phe Gln His Arg Arg Pro Asp Leu
 130 135 140

Tyr Gly Asn Leu Gly His Pro Leu Ser
 145 150

<210> 189
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals stop translation

<400> 189
Met Asn Ile Leu Met Phe Ala Phe Met Ile Ile Phe Met Gly Ala Lys
 1 5 10 15

Phe Gln Glu Val Glu Phe Trp Val Arg Gly Tyr Asp His Leu Lys Ala
 20 25 30

Thr Leu Phe Asp Gln Ile Gly Arg Tyr Leu Lys Met Gly Gly Gln Glu
 35 40 45

Pro Leu Leu Ala Lys Val Trp Val Arg Gly Thr Xaa
 50 55 60

<210> 190
<211> 108
<212> PRT
<213> Homo sapiens

<400> 190
Met Ser Ser Val Ser Leu Ser Ala Ser Ser Ser Ser Ser Lys Val
 1 5 10 15

Pro Arg Val Arg Ile Lys Ser Glu Gly Cys Ser Thr Gly Asp Lys Leu
 20 25 30

Ser Leu Ala Val Pro Ala Ser Lys Ala Thr Glu Pro Ile Ser Phe Arg
 35 40 45

Arg Arg Ser Ser Cys Ser Leu Cys Cys Trp Leu Ser Ala Leu Ala Ser
 50 55 60

Asp Phe Phe Arg Arg Ser Tyr Ser Gly Arg Tyr Ser Leu Ser Tyr Ser
 65 70 75 80

Ser Ala Ala Leu Val Thr Cys Thr Lys Ser Ser Ser Asn Pro Val Pro
 85 90 95

Arg Thr Ala Glu Thr Pro Thr Leu Ser Glu Leu
 100 105

<210> 191

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals stop translation

<400> 191

Met Ser Ile Thr Leu Ile Gln Leu Met Phe Tyr Phe Asn Thr Pro Glu
 1 5 10 15

Leu Pro His Lys Thr Ser Phe His Val Lys Gly Ser Arg Xaa
 20 25 30

<210> 192

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals stop translation

<400> 192

Met Ser Leu Leu Leu Phe Leu Lys Val His Leu Phe Ser Pro Ser Thr
 1 5 10 15

Ile Phe Lys Arg Asn Asn Xaa
 20

<210> 193

<211> 106

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals stop translation

<400> 193

Met Gly Pro Ala Leu Met Val Ala Ser Leu Cys Leu Gly Gly Pro Ala
 1 5 10 15

Pro Ala Val Gly Ala Ile Thr Pro Ser Pro Phe Ile Thr Ser Leu Arg
 20 25 30

Trp Ala Pro Ser Pro Ala Gly Cys Leu Pro Ser Gly Asn Ser Arg Thr
 35 40 45

Leu Arg Asp Thr Arg Ala Ala Trp Pro Arg Gly Ala Thr Ala Arg Pro
 50 55 60

Pro Gly Gly Gln Pro Trp Arg Glu Leu Arg Pro Thr Tyr Ser Gly Val
 65 70 75 80

Trp Glu Pro Cys Leu Tyr Leu Gly Xaa Ser Pro Ser Gln Leu Pro Pro
 85 90 95

Cys Val Phe Pro Pro Ala Lys Val Gly Xaa
 100 105

<210> 194
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals stop translation

<400> 194

Met Lys Val Gln Ser Phe Tyr Lys Thr Leu Ile Pro Leu Leu Thr Ile
 1 5 10 15

Phe Met Met Val Ala Leu Val Asn Phe Thr Gly Lys Lys Asn Ser Gln
 20 25 30

Asn Tyr Pro Ala Gly Asn Ile Ser Ser Leu Pro Lys Asp Lys Thr Val
 35 40 45

Lys Thr Arg Leu Gly Xaa
 50

<210> 195
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> Xaa equals stop translation

<400> 195

Met	Arg	Asp	Pro	Leu	Asn	Arg	Val	Leu	Ala	Asn	Leu	Phe	Leu	Leu	Ile
1				5				10						15	

Ser	Ser	Ile	Leu	Gly	Ser	Arg	Thr	Ala	Gly	Pro	His	Thr	Gln	Phe	Val
				20				25					30		

Gln	Trp	Phe	Met	Glu	Glu	Cys	Val	Asp	Cys	Leu	Glu	Gln	Gly	Gly	Arg
			35				40					45			

Gly	Ser	Val	Leu	Gln	Phe	Met	Pro	Phe	Thr	Thr	Val	Ser	Glu	Leu	Val
		50			55				60						

Lys	Val	Ser	Ala	Met	Ser	Ser	Pro	Lys	Val	Val	Leu	Ala	Ile	Thr	Asp
65				70				75					80		

Leu	Ser	Leu	Pro	Leu	Gly	Arg	Gln	Val	Ala	Ala	Lys	Ala	Ile	Ala	Ala
				85				90				95			

Leu Xaa

<210> 196
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals stop translation

<400> 196

Met	Gln	Gly	Ser	Pro	Leu	Val	Thr	Ala	Ile	Tyr	Lys	Ile	Phe	Leu	Leu
1				5				10				15			

Ser	Leu	Leu	Val	Arg	Gly	Ile	Cys	Xaa							
			20				25								

<210> 197
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (126)
<223> Xaa equals stop translation

<400> 197
Met Ala Phe Asn Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala
1 5 10 15
Pro Pro Gln Pro Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala
20 25 30
Ala Gly Val Gly Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val
35 40 45
Ala Gly Ala Leu Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly
50 55 60
Phe Ser Ala Phe Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro
65 70 75 80
Trp Gln Glu Gly Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val
85 90 95
Phe Gly Ser Asp Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu
100 105 110
Glu Asp Phe Pro Asp Thr Gln Arg Ile Leu Thr Val Lys Xaa
115 120 125

<210> 198
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals stop translation

<400> 198
Met Leu Val Glu Lys Ile Leu Leu Ile Glu Cys Leu Ser Ser Glu Ser
1 5 10 15
Gln Leu Ile Gly Phe Leu Leu Xaa
20

<210> 199
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (81)
<223> Xaa equals stop translation

<400> 199

Met	Glu	Ala	Lys	Phe	Leu	Gly	Asn	Ala	Pro	Cys	Gly	His	Tyr	Thr	Phe
1				5					10				15		

Lys	Phe	Pro	Gln	Ala	Met	Arg	Thr	Glu	Ser	Asn	Leu	Gly	Ala	Lys	Val
					20			25					30		

Phe	Phe	Phe	Lys	Ala	Leu	Leu	Leu	Thr	Gly	Asp	Phe	Ser	Gln	Ala	Gly
					35			40				45			

Asn	Lys	Gly	His	His	Val	Trp	Val	Thr	Lys	Asp	Glu	Leu	Gly	Asp	Tyr
					50			55			60				

Leu	Lys	Pro	Lys	Tyr	Leu	Ala	Gln	Val	Arg	Arg	Phe	Val	Ser	Asp	Leu
	65				70				75				80		

Xaa

<210> 200

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals stop translation

<400> 200

Met	Leu	Thr	Phe	Leu	Ile	Phe	Leu	Phe	Pro	Glu	Val	Val	Leu	Gly	Leu
1				5				10				15			

Leu Arg Asp Tyr Ser Ser Xaa

20

<210> 201

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals stop translation

<400> 201

Met	His	Val	Tyr	Leu	Asn	Tyr	Lys	Xaa
1				5				

<210> 202

<211> 11

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals stop translation

<400> 202
 Met Val Glu Ser Asn Leu Pro Gly Pro Ala Xaa
 1 5 10

<210> 203
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 203
 Thr Phe Lys Ser Leu Trp Lys His Trp Thr Leu Ala Gly Pro Gly Asn
 1 5 10 15
 Ile Gly Lys Asn Trp Ile Gly Arg
 20

<210> 204
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 204
 His Glu Gly Thr Trp Arg Trp Glu Ala Pro Thr Pro Leu Gln Ser Leu
 1 5 10 15
 Gly Pro Thr Thr Pro Ser Leu Pro Ser Val Ala Asp Leu Cys Gln Asp
 20 25 30
 Gly His Gly Gly Cys Ser Glu His Ala Asn Cys Ser Gln Val Gly Thr
 35 40 45

<210> 205
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 205
 Leu Lys Val Pro Thr Cys Tyr Ser Ala Asn Thr
 1 5 10

<210> 206
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 206
Trp Gln Val Pro Ala Pro Val Ile Pro Gly Xaa Asp Pro Arg Val Arg
      1           5           10          15

Gly Ala Arg Lys Arg Thr Leu Leu Gly Val Ala Gly Gly Trp Arg Arg
      20          25          30

Phe Glu Arg Leu Trp Ala Gly Ser Leu Ser
      35          40

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<210> 207
<211> 41
<212> PRT
<213> Homo sapiens

<400> 207
Ser Arg Ser Leu Ala Leu Ala Ala Ala Pro Ser Ser Asn Gly Ser Pro
   1           5           10          15

Trp Arg Leu Leu Gly Ala Leu Cys Leu Gln Arg Pro Pro Val Val Ser
   20          25          30

Lys Pro Leu Thr Pro Leu Gln Glu Glu
   35          40

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<210> 208
<211> 41
<212> PRT
<213> Homo sapiens

<400> 208
Met Glu Glu Glu Ala Tyr Ser Lys Gly Phe Gln Glu Gly Leu Lys Lys
   1           5                   10                  15

Thr Lys Glu Leu Gln Asp Leu Lys Glu Glu Glu Glu Gln Lys Ser
   20          25                  30

Glu Ser Pro Glu Glu Pro Glu Glu Val
   35          40

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<210> 209
<211> 37
<212> PRT
<213> Homo sapiens

<400> 209
Glu Glu Thr Glu Glu Glu Lys Gly Pro Arg Ser Ser Lys Leu Glu
      1           5                   10                  15

Glu Leu Val His Phe Leu Gln Val Met Tyr Pro Lys Leu Cys Gln His
```

20

25

30

Trp Gln Val Ile Trp
35

<210> 210
<211> 41
<212> PRT
<213> Homo sapiens

<400> 210
Ile Leu Tyr Leu Val Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser
1 5 10 15

Leu Gly Leu Thr Tyr Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro
20 25 30

Val Tyr Leu Leu Ile Ala Ile Val Ile
35 40

<210> 211
<211> 20
<212> PRT
<213> Homo sapiens

<400> 211
Tyr Gly Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr
1 5 10 15

Leu Val Trp Ala
20

<210> 212
<211> 12
<212> PRT
<213> Homo sapiens

<400> 212
Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp
1 5 10

<210> 213
<211> 20
<212> PRT
<213> Homo sapiens

<400> 213
Pro Leu Pro Glu Arg Ala Ile Tyr Gly Phe Val Leu Phe Leu Ser Ser
1 5 10 15

Gln Phe Gly Phe
20

<210> 214
<211> 51
<212> PRT
<213> Homo sapiens

<400> 214
Pro Thr Arg Gly Gly Ser Leu Cys Ala Cys Pro Gly Trp Gly Leu Pro
1 5 10 15

Ser Arg Leu Gly Leu Ser Leu Arg Phe Ser Ser Ser Pro Leu Arg Leu
20 25 30

Pro Ser Arg Arg Leu Arg Glu Asn Ser Ala Leu Arg Leu Ser Lys Ala
35 40 45

Pro Gly Lys
50

<210> 215
<211> 10
<212> PRT
<213> Homo sapiens

<400> 215
Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
1 5 10

<210> 216
<211> 10
<212> PRT
<213> Homo sapiens

<400> 216
Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
1 5 10

<210> 217
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 217
Gly Ala Ser Ser Arg Pro Arg Leu Glu Leu Gly Arg Leu Met Gly Pro
1 5 10 15

Lys Gly Val Ala Val Asp Arg Asn Xaa His Ile Ile Val Val Asp Asn
20 25 30

Lys Ser Cys Cys Val Phe Thr Phe Gln Pro Asn Gly
35 40

<210> 218

<211> 44

<212> PRT

<213> Homo sapiens

<400> 218

Lys	Leu	Val	Gly	Arg	Phe	Gly	Gly	Arg	Gly	Ala	Thr	Asp	Arg	His	Phe
1					5					10				15	

Ala	Gly	Pro	His	Phe	Val	Ala	Val	Asn	Asn	Lys	Asn	Glu	Ile	Val	Val
								20	25				30		

Thr	Asp	Phe	His	Asn	His	Ser	Val	Lys	Val	Tyr	Ser
								35	40		

<210> 219

<211> 42

<212> PRT

<213> Homo sapiens

<400> 219

Ala	Asp	Gly	Glu	Phe	Leu	Phe	Lys	Phe	Gly	Ser	His	Gly	Glu	Gly	Asn
1					5				10				15		

Gly	Gln	Phe	Asn	Ala	Pro	Thr	Gly	Val	Ala	Val	Asp	Ser	Asn	Gly	Asn
								20	25				30		

Ile	Ile	Val	Ala	Asp	Trp	Gly	Asn	Ser	Arg
								35	40

<210> 220

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 220

Ile	Xaa	Gly	Ile	Arg	Xaa	Leu	Trp	Leu	Leu	Pro	Val	Leu	Tyr	Gln	His
1						5				10			15		

Ile	Cys	Arg	Thr	Thr	Val	Trp	Ser	Thr	Gly	Pro	Gly	Thr	Asp	Leu	Gly
								20	25				30		

Trp Pro Cys Gly Gly Gly

35

<210> 221
<211> 16
<212> PRT
<213> Homo sapiens

<400> 221
Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr Glu Leu Gly
1 5 10 15

<210> 222
<211> 36
<212> PRT
<213> Homo sapiens

<400> 222
Arg Pro Thr Arg Pro Pro Asp Gly Cys His Pro Ser Cys Cys Arg Met
1 5 10 15

Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr
20 25 30

Glu Leu Gly Ile
35

<210> 223
<211> 35
<212> PRT
<213> Homo sapiens

<400> 223
Glu Cys Gln Glu Tyr Glu Ile Leu Glu His Cys Trp Trp Glu Cys Lys
1 5 10 15

- Leu Val Gln Pro Phe Trp Lys Ser Ser Cys Arg Ile Pro Ala Ala Arg
20 25 30

Gly Ile His
35

<210> 224
<211> 15
<212> PRT
<213> Homo sapiens

<400> 224
His Cys Trp Trp Glu Cys Lys Leu Val Gln Pro Phe Trp Lys Ser
1 5 10 15

<210> 225

<211> 6
<212> PRT
<213> Homo sapiens

<400> 225
Phe Thr Phe Pro Pro Thr
1 5

<210> 226
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 226
His His His Leu Arg Val Gly Ser Pro Trp Ser His Pro Glu Thr Gly-
1 5 10 15

Thr Ala Val His Gly Ala His Pro Gln Gly Glu Ala Ala Ser Asp Arg
20 25 30

His Arg Gly Cys Phe Tyr Arg Arg Gln Leu Met His Gln Leu Pro
35 40 45

Ile Tyr Asp Gln Asp Pro Ser Arg Cys Arg Gly Leu Leu Glu Asn Glu
50 55 60

Leu Lys Leu Met Glu Glu Phe Val Lys Gln Tyr Lys Ser Glu Ala Leu
65 70 75 80

Gly Val Gly Glu Val Ala Leu Pro Gly Xaa Gly Trp Leu Ala Lys Glu
85 90 95

Glu Gly Lys Gln Gln Glu Lys Pro Glu Gly Ala Glu Thr Xaa 'Ala Xaa
 100 105 110

Thr Thr Asn Gly Xaa Xaa Ser Asp Pro Ser Lys Glu Glu Ala Cys
 115 120 125

<210> 227

<211> 7

<212> PRT

<213> Homo sapiens

<400> 227

Thr Tyr Glu Trp Ala Pro Pro
 1 5

<210> 228

<211> 7

<212> PRT

<213> Homo sapiens

<400> 228

Pro Lys Glu Lys Gln Pro Val
 1 5

<210> 229

<211> 34

<212> PRT

<213> Homo sapiens

<400> 229

Pro Arg Pro Ala Asn Leu Ala Ile Gln Pro Pro Leu Ser Pro Leu Arg
 1 5 10 15

Ala Leu Ala Pro Leu Pro Glu Lys Pro Gly Ala Val Pro Pro Pro Gln
 20 25 30

Lys Arg

<210> 230

<211> 163

<212> PRT

<213> Homo sapiens

<400> 230

Ala His Ala Val Trp Arg Pro Gly Val Leu Pro Gly Leu Val Glu Leu
 1 5 10 15

Arg Val Cys His Leu Leu Ala Glu Leu Glu His Pro Cys Ala Gln
 20 25 30

Val Val His Gln Val Gly Gly Val Cys Val Cys Val Met Trp Asn Met
 35 40 45

Ala Val Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe
 50 55 60

Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met Ala Arg Thr
 65 70 75 80

Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu Val Ser Val
 85 90 95

Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met Met Ala Gln
 100 105 110

Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly Asn Tyr Gly
 115 120 125

Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro Ile Ala Val
 130 135 140

Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr Glu Ala Pro Ala
 145 150 155 160

Ala Glu Ala

<210> 231

<211> 8

<212> PRT

<213> Homo sapiens

<400> 231

Tyr Phe Leu Phe Ala Pro Thr Leu
 1 5

<210> 232

<211> 16

<212> PRT

<213> Homo sapiens

<400> 232

Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe Tyr Lys
 1 5 10 15

<210> 233

<211> 16

<212> PRT

<213> Homo sapiens

<400> 233

Gln Gly Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly
 1 5 10 15

<210> 234
<211> 17
<212> PRT
<213> Homo sapiens

<400> 234
Leu Tyr Tyr Phe Leu Phe Ala Pro Thr Leu Cys Tyr Glu Leu Asn Phe
1 5 10 15

Pro

<210> 235
<211> 26
<212> PRT
<213> Homo sapiens

<400> 235
Glu Met Leu Phe Phe Thr Gln Leu Gln Val Gly Leu Ile Gln Gln Trp
1 5 10 15
Met Val Pro Thr Ile Gln Asn Ser Met Lys
20 25

<210> 236
<211> 18
<212> PRT
<213> Homo sapiens

<400> 236
Val Thr Tyr Phe Trp Gln Asn Trp Asn Ile Pro Val His Lys Trp Cys
1 5 10 15

Ile Arg

<210> 237
<211> 60
<212> PRT
<213> Homo sapiens

<400> 237
Pro Phe Lys Asp Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys
1 5 10 15

Leu Ala Val Pro Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu
20 25 30

Phe His Ser Cys Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp
35 40 45

Arg Glu Phe Tyr Arg Asp Trp Trp Asn Ser Glu Ser

50

55

60

<210> 238

<211> 48

<212> PRT

<213> Homo sapiens

<400> 238

Arg	His	Phe	Tyr	Lys	Pro	Met	Leu	Arg	Arg	Gly	Ser	Ser	Lys	Trp	Met
1					5			10						15	

Ala	Arg	Thr	Gly	Val	Phe	Leu	Ala	Ser	Ala	Phe	Phe	His	Glu	Tyr	Leu
							20		25				30		

Val	Ser	Val	Pro	Leu	Arg	Met	Phe	Arg	Leu	Trp	Ala	Phe	Thr	Gly	Met
						35		40				45			

<210> 239

<211> 47

<212> PRT

<213> Homo sapiens

<400> 239

Met	Ala	Gln	Ile	Pro	Leu	Ala	Trp	Phe	Val	Gly	Arg	Phe	Phe	Gln	Gly
1					5				10				15		

Asn	Tyr	Gly	Asn	Ala	Ala	Val	Trp	Leu	Ser	Leu	Ile	Ile	Gly	Gln	Pro
						20		25				30			

Ile	Ala	Val	Leu	Met	Tyr	Val	His	Asp	Tyr	Tyr	Val	Leu	Asn	Tyr
							35		40			45		

<210> 240

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 240

Ser	Gly	Xaa	Trp	Gln	Gly	Leu	Asp	Glu	Val	Val	Arg	Leu	Leu	Asn	Xaa
1					5				10				15		

Ser Asp Phe Ala Phe Thr Asp

<210> 241
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 241
 Gly Ser Leu Ala Lys Arg Ser Asn Phe Arg Ala Ile Ser Lys Lys Leu
 1 5 10 15

Asn Leu Ile Pro Arg Val Asp Gly Glu Tyr Asp Leu Lys Val Pro Arg
 20 25 30

Asp Met Ala Tyr Val Phe Xaa Gly Ala Tyr Val Pro Leu Ser Cys Arg
 35 40 45

Ile Ile Glu Gln Val Leu Glu Arg Arg Xaa Ala Gly Pro
 50 55 60

<210> 242
 <211> 194
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 242
 Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe
 1 5 10 15

Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr
 20 25 30

Lys Phe Ala Ile Ser Leu Cys Thr Ser Tyr Leu Cys Val Ser Phe Leu
 35 40 45

Lys Thr Ile Phe Pro Ser Gln Asn Gly His Asp Gly Ser Thr Asp Val
 50 55 60

Gln Gln Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys
 65 70 75 80

Ile Val Leu Glu Asp Ile Phe Thr Leu Trp Arg Gln Val Glu Thr Lys
 85 90 95

Val Arg Ala Lys Ile Arg Lys Met Lys Val Thr Thr Lys Val Asn Arg
 100 105 110

His Asp Lys Ile Asn Gly Lys Arg Lys Thr Ala Lys Glu His Leu Arg
 115 120 125

Lys Leu Ser Met Lys Glu Arg Glu His Gly Glu Lys Glu Arg Gln Val
 130 135 140

Ser Glu Ala Glu Glu Asn Gly Lys Leu Asp Met Lys Glu Ile His Thr
 145 150 155 160

Tyr Met Glu Met Phe Gln Arg Ala Gln Val Cys Gly Gly Gln Arg
 165 170 175

Thr Thr Thr Asp Ala Lys Ser Pro Leu Leu Gln Glu Ser Leu Phe Ala
 180 185 190

Thr Gly

<210> 243

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 243

Ile Cys Val Lys Thr Phe Pro Pro Leu Ala Leu Gln Val Arg Met Ala
 1 5 10 15

Ala Xaa Glu His Arg His Ser Ser Gly Leu Pro Xaa Trp Pro Tyr Leu
 20 25 30

Thr Ala Glu Thr Leu Lys Asn Arg Met Gly His Gln Pro Pro Pro Pro

35

40

45

Thr Gln Gln His Ser Ile Xaa Asp Asn Ser Leu Ser Leu Lys Thr Pro
 50 55 60

Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro Ser Ala Asp Asp Asn Leu
 65 70 75 80

Lys Thr Pro Xaa Glu Cys Leu Leu Thr Pro Leu Pro Pro Ser Ala Pro
 85 90 95

Pro Ser Ala Asp Asp Asn Leu Lys Thr Pro Pro Glu Cys Val Cys Ser
 100 105 110

Leu Pro Phe His Pro Gln Leu His Pro Gln Arg Met Ile Ile Ser Arg
 115 120 125

His Leu Pro Ser Val Ser Ala His Ser Pro Ser Thr Leu Ser Gly
 130 135 140

<210> 244

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 244

Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys Ile Val
 1 5 10 15

Leu Glu Asp Ile
 20

<210> 245

<211> 16

<212> PRT

<213> Homo sapiens

<400> 245

Leu Ser Leu Lys Thr Pro Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro
 1 5 10 15

<210> 246

<211> 27

<212> PRT

<213> Homo sapiens

<400> 246

Phe Leu Leu Ile Glu Ser Tyr Gln Lys Leu Arg Asn Lys Thr Asn Leu
 1 5 10 15

Ser Leu His Val Phe Leu Phe His Thr Glu Val
 20 25

<210> 247

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 247

Tyr Ala Leu Arg Thr Gly Ala Phe Glu Pro Ala Glu Ala Ser Val Asn
 1 5 10 15

Pro Gln Asp Leu Gln Gly Ser Leu Gln Glu Leu Lys Glu Arg Ala Leu
 20 25 30

Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly Pro Glu Arg Leu Val Ser
 35 40 45

Gly Ser Asp Asp Phe Thr Leu Phe Leu Trp Ser Pro Ala Glu Xaa Lys
 50 55 60

Lys Pro Leu Thr Arg Met Thr Gly His Gln Ala Leu Ile Asn Gln Val
 65 70 75 80

Leu Phe Ser Pro Asp Ser Arg Ile Val Ala Ser Ala Ser Phe Asp Lys
 85 90 95

Ser Ile Lys Leu Trp Asp Gly Arg Thr Gly Lys Tyr Leu Ala Ser Leu
 100 105 110

Arg Gly His Val Ala Ala Val Tyr Gln Ile Ala Trp Ser Ala Asp Ser
 115 120 125

Arg Leu Leu Val Ser Gly Ser Ser Xaa Gln His Thr Glu Gly Val Gly
 130 135 140

Cys Glu Gly Pro Glu Ala Gly His Gly Pro Ala Arg Pro Arg Gly
 145 150 155

<210> 248

<211> 21

<212> PRT

<213> Homo sapiens

<400> 248

Leu	Lys	Glu	Arg	Ala	Leu	Ser	Arg	Tyr	Asn	Leu	Val	Arg	Gly	Gln	Gly
1					5					10				15	

Pro	Glu	Arg	Leu	Val
			20	

<210> 249

<211> 137

<212> PRT

<213> Homo sapiens

<400> 249

Met	Pro	Thr	Pro	Ser	Met	Arg	Ala	Asn	Arg	Met	Pro	Pro	Ile	Ile	Ala
1					5								10		15

Glu	Pro	Thr	Met	Ala	Ser	Gly	Pro	Leu	Arg	Ala	Ala	Ser	Thr	Ala	Pro
								20				25		30	

Val	Asn	Ala	Pro	Leu	Val	Ile	Glu	Phe	Gln	Gly	Ser	Ser	Leu	Pro	Arg
							35		40			45			

Ser	Arg	Thr	Arg	Pro	Gln	Ser	Met	Val	Glu	Asn	Arg	Pro	Pro	His	Thr
							50		55			60			

Ala	Lys	Leu	Pro	Pro	Ile	Trp	Gly	Ala	Arg	Ile	Leu	Thr	Ala	Leu	Ala
							65		70			75		80	

Leu	Pro	Leu	Asn	Arg	Cys	Arg	Ile	Pro	Thr	Gly	Ala	Leu	Arg	Lys	Pro
							85		90			95			

Leu	Met	Ala	Trp	Lys	Thr	Pro	Pro	Pro	Met	Thr	Pro	Ile	Val	Lys	Ala
							100		105			110			

Pro	Pro	Gln	Ser	Ser	Thr	Ile	Arg	His	Gly	Gln	Gly	Ser	Arg	Ala	Tyr
							115		120			125			

Ser	Gly	Arg	Val	Gly	Gly	Arg	Val	Gly						
							130		135					

<210> 250

<211> 25

<212> PRT

<213> Homo sapiens

<400> 250

Gly	Ala	Arg	Ile	Leu	Thr	Ala	Leu	Pro	Leu	Asn	Arg	Cys	Arg
1					5				10			15	

Ile	Pro	Thr	Gly	Ala	Leu	Arg	Lys	Pro
					20			25

<210> 251

<211> 38

<212> PRT

<213> Homo sapiens

<400> 251

Pro	Thr	Arg	Pro	Pro	Thr	Arg	Pro	Glu	Tyr	Ala	Arg	Glu	Pro	Cys	Pro
1															
			5							10					15

Trp	Arg	Ile	Val	Asp	Asp	Cys	Gly	Gly	Ala	Phe	Thr	Met	Gly	Val	Ile
			20							25					30

Gly	Gly	Gly	Val	Phe	Gln										
			35												

<210> 252

<211> 39

<212> PRT

<213> Homo sapiens

<400> 252

Ala	Ile	Lys	Gly	Phe	Arg	Asn	Ala	Pro	Val	Gly	Ile	Arg	His	Arg	Leu
1															
				5						10					15

Arg	Gly	Ser	Ala	Asn	Ala	Val	Arg	Ile	Arg	Ala	Pro	Gln	Ile	Gly	Gly
			20							25					30

Ser	Phe	Ala	Val	Trp	Gly	Gly									
			35												

<210> 253

<211> 40

<212> PRT

<213> Homo sapiens

<400> 253

Leu	Phe	Ser	Thr	Ile	Asp	Cys	Gly	Leu	Val	Arg	Leu	Arg	Gly	Lys	Glu
1															
				5						10					15

Asp	Pro	Trp	Asn	Ser	Ile	Thr	Ser	Gly	Ala	Leu	Thr	Gly	Ala	Val	Leu
			20							25					30

Ala	Ala	Arg	Ser	Gly	Pro	Leu	Ala								
			35							40					

<210> 254

<211> 38

<212> PRT

<213> Homo sapiens

<400> 254

Ile	Arg	His	Glu	Arg	Lys	Ser	Ala	Arg	Ala	Cys	Cys	Pro	Leu	Thr	Gly
1															
				5						10					15

Ala	Gln	Arg	Arg	Gly	Gln	Ala	Leu	Pro	Thr	Pro	Arg	Ala	Gly	Pro	Gly
			20							25					30

His Ser Pro Ala Pro Val
35

<210> 255

<211> 38

<212> PRT

<213> Homo sapiens

<400> 255

Ala	Pro	Ser	Ala	Pro	Gln	Glu	Asp	Gly	Gly	Ser	Pro	Pro	Ala	Pro	Gln
1				5					10			15			

Gly	Gln	Pro	Asp	Pro	Gly	Pro	Gly	Ala	Gly	Gln	Pro	Ala	Gln	Leu	Gly
					20				25				30		

Pro Leu Leu Ala Phe Leu
35

<210> 256

<211> 44

<212> PRT

<213> Homo sapiens

<400> 256

Pro	Leu	Leu	His	Gln	Asp	Cys	Lys	Glu	Ser	Pro	His	Leu	Gly	Ser	Ser
1				5					10			15			

Gly	Ser	Pro	Val	Gln	Ala	Leu	Asp	Leu	Ser	Ser	Ile	Gln	Thr	Arg	Thr
					20				25			30			

Ala Val Ser Cys Val Asp Gly Val Arg Leu Trp Ala
35 40

<210> 257

<211> 15

<212> PRT

<213> Homo sapiens

<400> 257

His	Arg	Leu	Gln	Val	Phe	Ser	Phe	Pro	Ile	Leu	Gly	Ser	His	Asn
1				5				10			15			

<210> 258

<211> 52

<212> PRT

<213> Homo sapiens

<400> 258

Gly	Lys	Val	Glu	Ile	Glu	Val	Phe	Ile	Phe	Pro	Tyr	Glu	Tyr	Pro	Val
1				5				10			15				

Val	Pro	Thr	Pro	Leu	Ile	Lys	Asn	Thr	Ile	Leu	Tyr	Pro	Leu	Ser	Leu
					20				25			30			

Phe Cys Thr Phe Ile Lys Asn Gln Phe Ser Ile Tyr Leu Trp Ile Lys
 35 40 45

Phe Phe Ile Phe
 50

<210> 259
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 259
 Arg Ala Thr Thr His Val Ser Arg Glu Phe Phe Gly His Thr
 1 5 10

<210> 260
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 260
 Thr Leu Phe Ser Met Phe Ser Gly Pro Leu Gly Arg Gln Thr Gln Leu
 1 5 10 15

Asp Phe Arg Ala Asp Ile Gly Glu Glu Asn Met Ala Leu Ser Val Leu
 20 25 30

Ser Pro Asp Lys Cys Tyr Leu Tyr Thr
 35 40

<210> 261
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 261
 His Pro Asn Leu Lys Arg Lys Cys Ile Ser Leu Gly Phe Lys His Cys
 1 5 10 15

Asn Arg Tyr Lys Ala Lys Ile Lys Thr Cys Cys Lys Val Gln Lys Lys
 20 25 30

Lys Gly Arg
 35 40 45

<210> 262
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 262
 His Ser Gly Val Gln Thr Ile Ala Phe Gly Leu Glu Cys
 1 5 10

<210> 263
<211> 25
<212> PRT
<213> Homo sapiens

<400> 263
Lys Val Gln Asp Arg Asp Gly Lys Glu Arg Arg Lys Gln Glu Glu Val
1 5 10 15
Lys Leu Gly Arg Trp Cys Gln Trp His
20 25

<210> 264
<211> 10
<212> PRT
<213> Homo sapiens

<400> 264
Ala Cys Gly Ala Pro Glu Glu Ala Gly Gly
1 5 10

<210> 265
<211> 35
<212> PRT
<213> Homo sapiens

<400> 265
Leu Phe Ser Ser Phe Leu Gly Asp Thr Thr Val His Lys Val Leu Ser
1 5 10 15
Arg Ala Thr Leu His Leu His Pro Ala Pro Tyr Leu Thr Gly Val Asp
20 25 30
Ser Tyr Ser
35

<210> 266
<211> 39
<212> PRT
<213> Homo sapiens

<400> 266
Asp Phe Ser Ser Tyr Ser His Pro Ser Leu Gly Thr Gln Leu Ser Ile
1 5 10 15
Arg Cys Tyr Pro Glu Pro His Cys Ile Cys Thr Gln His His Thr Ser
20 25 30
Gln Glu Ser Thr Pro Thr Leu
35

<210> 267
<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 267

Ala	Pro	Gln	Lys	Phe	Pro	Xaa	Gly	Phe	Phe	Phe	Phe	Leu	Phe	Ser
1				5				10					15	

Arg	Arg	Lys	Lys	Gln	Cys	Ser	Lys	Val	Val	Gln	Asn	Thr	Gly	Ala	Gly
			20					25					30		

Ala Ile Gln Thr Gln Val

35

<210> 268

<211> 38

<212> PRT

<213> Homo sapiens

<400> 268

Gln	Leu	Leu	Thr	Ser	Pro	Thr	Phe	Ser	Thr	Val	Leu	Ser	Asn	Tyr	Thr
1				5					10				15		

Cys	Gln	Ala	Pro	Ser	Gln	Trp	Thr	Asp	Trp	Gln	Ala	Leu	Leu	Pro	Thr
				20				25					30		

Gly Ile Gln Thr Glu His

35

<210> 269

<211> 36

<212> PRT

<213> Homo sapiens

<400> 269

His	Gln	Gly	Trp	Asp	Lys	Gln	Lys	Gln	Cys	Lys	Arg	Lys	Cys	Glu	His
1				5				10				15			

Glu	His	Ala	Pro	Leu	His	His	Asn	Leu	Trp	Lys	Gln	Ser	Gly	Lys	Thr
				20				25				30			

Arg Leu Gly Asp

35

<210> 270

<211> 27

<212> PRT

<213> Homo sapiens

<400> 270

Lys His Val Ile Phe Phe Met Phe Ile Ser Asn Leu Phe Leu Ile Leu

1

5

10

15

Cys Phe Leu Phe Arg Pro Thr Lys Thr Thr Val
20 25

<210> 271
<211> 11
<212> PRT
<213> Homo sapiens

<400> 271
Asp Lys Leu Leu Ser Phe His Leu Val Ser Ile
1 5 10

<210> 272
<211> 14
<212> PRT
<213> Homo sapiens

<400> 272
Lys Trp Lys Gly Asp Leu His Cys Ile Leu Gly Leu Leu Ala
1 5 10

<210> 273
<211> 10
<212> PRT
<213> Homo sapiens

<400> 273
Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
1 5 10

<210> 274
<211> 39
<212> PRT
<213> Homo sapiens

<400> 274
Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
20 25 30
His Gln Ile Lys Thr Ser Pro
35

<210> 275
<211> 38
<212> PRT
<213> Homo sapiens

<400> 275

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln
 1 5 10 15

Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met
 20 25 30

His Leu Asn Asp Asn Ser
 35

<210> 276

<211> 48

<212> PRT

<213> Homo sapiens

<400> 276

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala
 1 5 10 15

Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu
 20 25 30

Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu
 35 40 45

<210> 277

<211> 13

<212> PRT

<213> Homo sapiens

<400> 277

Ile Arg His Glu Asp Glu Val Lys Leu Leu Glu Trp Ser
 1 5 10

<210> 278

<211> 35

<212> PRT

<213> Homo sapiens

<400> 278

Ser Leu His Ser Ser Ala Val Ala Ala Thr Tyr Lys Tyr Val Asn Met
 1 5 10 15

Gln Asp Pro Glu Met Asp Met Lys Ser Val Thr Asp Arg Ala Ala Arg
 20 25 30

Thr Leu Leu
 35

<210> 279

<211> 60

<212> PRT

<213> Homo sapiens

<400> 279

Trp	Thr	Glu	Leu	Phe	Arg	Gly	Leu	Gly	Met	Thr	Leu	Ser	Tyr	Leu	Phe
1									10					15	

Arg	Glu	Pro	Ala	Thr	Ile	Asn	Tyr	Pro	Phe	Glu	Lys	Gly	Pro	Leu	Ser
									25					30	

Pro	Arg	Phe	Arg	Gly	Glu	His	Ala	Leu	Arg	Arg	Tyr	Pro	Ser	Gly	Glu
									40				45		

Glu	Arg	Cys	Ile	Ala	Cys	Lys	Leu	Cys	Glu	Ala	Ile			
									55		60			

<210> 280

<211> 57

<212> PRT

<213> Homo sapiens

<400> 280

Cys	Pro	Ala	Gln	Ala	Ile	Ile	Glu	Ala	Glu	Pro	Arg	Ala	Asp	Gly	Ser
1									10				15		

Arg	Arg	Thr	Thr	Arg	Tyr	Asp	Ile	Asp	Met	Thr	Lys	Cys	Ile	Tyr	Cys
									25				30		

Gly	Phe	Cys	Gln	Glu	Ala	Cys	Pro	Val	Asp	Ala	Ile	Val	Glu	Gly	Pro
									40			45			

Asn	Phe	Glu	Phe	Ser	Thr	Glu	Thr	His							
									50		55				

<210> 281

<211> 19

<212> PRT

<213> Homo sapiens

<400> 281

Gly	Asp	Lys	Trp	Glu	Ala	Glu	Ile	Ala	Ala	Asn	Ile	Gln	Ala	Asp	Tyr
1									10				15		

Leu Tyr Arg

<210> 282

<211> 48

<212> PRT

<213> Homo sapiens

<400> 282

Ser	Ala	Ala	Asp	Pro	Ala	Thr	Gln	Pro	Gly	Asp	Ser	Arg	Ala	Leu	Pro
1									10				15		

Glu Pro Arg Gly Val Pro Ala Val His Pro Ala Gly Ser Gly Ser Glu

20

25

30

Trp Glu Arg Pro Pro Pro Ala Ala Pro Ser Pro Glu His Arg Asp Lys
 35 40 45

<210> 283

<211> 24

<212> PRT

<213> Homo sapiens

<400> 283

Asp Ser Arg Ala Leu Pro Glu Pro Arg Gly Val Pro Ala Val His Pro
 1 5 10 15

Ala Gly Ser Gly Ser Glu Trp Glu
 20

<210> 284

<211> 7

<212> PRT

<213> Homo sapiens

<400> 284

Glu Phe Gly Thr Ser Trp Val
 1 5

<210> 285

<211> 78

<212> PRT

<213> Homo sapiens

<400> 285

Thr Leu His Pro Pro Gln Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala
 1 5 10 15

Gly Asp Pro Ala Pro Leu Pro Ser Thr Ser Ser Val Gly Ser Ser Ser
 20 25 30

Gly Gly Ala Cys Gly Val Pro Cys Ala His Trp Arg Val Cys Gly Leu
 35 40 45

Ile His Leu Val Ala Leu Arg Gly Gly Ile Arg Ala Pro Val Ser Pro
 50 55 60

Pro Phe Met Phe Asn Leu His His Asn Leu Leu Asn Leu Arg
 65 70 75

<210> 286

<211> 21

<212> PRT

<213> Homo sapiens

<400> 286

Glu	Pro	Gln	Arg	Pro	Glu	Ala	Pro	Asp	Ala	Gly	Asp	Pro	Ala	Pro	Leu
1				5					10					15	

Pro	Ser	Thr	Ser	Ser
			20	

<210> 287

<211> 15

<212> PRT

<213> Homo sapiens

<400> 287

Arg	Val	Cys	Gly	Leu	Ile	His	Leu	Val	Ala	Leu	Arg	Gly	Gly	Ile
1				5					10				15	

<210> 288

<211> 79

<212> PRT

<213> Homo sapiens

<400> 288

Gln	Gly	Tyr	Ser	Thr	Lys	Pro	Arg	Leu	Met	Val	Pro	Leu	Lys	Met	Asp
1				5					10				15		

Ser	Ile	Thr	Val	His	Ile	Arg	Ser	Thr	Asn	Gly	Pro	Ile	Asp	Val	Tyr
			20					25					30		

Leu	Cys	Glu	Val	Glu	Gln	Gly	Gln	Thr	Ser	Asn	Lys	Arg	Ser	Glu	Gly
				35				40			45				

Val	Gly	Thr	Ser	Ser	Ser	Glu	Ser	Thr	His	Pro	Glu	Gly	Pro	Glu	Glu
				50				55			60				

Glu	Glu	Asn	Pro	Gln	Gln	Ser	Glu	Glu	Leu	Leu	Glu	Val	Ser	Asn
				65				70			75			

<210> 289

<211> 30

<212> PRT

<213> Homo sapiens

<400> 289

Asp	Ser	Ile	Thr	Val	His	Ile	Arg	Ser	Thr	Asn	Gly	Pro	Ile	Asp	Val
1				5					10				15		

Tyr	Leu	Cys	Glu	Val	Glu	Gln	Gly	Gln	Thr	Ser	Asn	Lys	Arg	
				20				25			30			

<210> 290

<211> 25

<212> PRT

<213> Homo sapiens

<400> 290

Leu	Met	Val	Pro	Leu	Lys	Met	Asp	Ser	Ile	Thr	Val	His	Ile	Arg	Ser
1															
														10	15

Thr	Asn	Gly	Pro	Ile	Asp	Val	Tyr	Leu
								25

<210> 291

<211> 26

<212> PRT

<213> Homo sapiens

<400> 291

Gln	Gly	Gln	Thr	Ser	Asn	Lys	Arg	Ser	Glu	Gly	Val	Gly	Thr	Ser	Ser
1															
														10	15

Ser	Glu	Ser	Thr	His	Pro	Glu	Gly	Pro	Glu
									25

<210> 292

<211> 19

<212> PRT

<213> Homo sapiens

<400> 292

Arg	Pro	Thr	Arg	Pro	Ser	Ile	Leu	Gly	Leu	Tyr	Val	Asp	Leu	Tyr	Val
1															
														10	15

Phe Cys Ile

<210> 293

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 293

Cys	Gly	Ala	Cys	Thr	Xaa	Leu	Ser	Leu	Ser	Asp	Ser	Arg	Arg	Cys	Gly
1															
														10	15

Cys	Cys	Lys	Gly	Ser	Ser	Leu	Arg	His	Thr	Ala	Val	Ala
									20			25

<210> 294

<211> 7

<212> PRT

<213> Homo sapiens

<400> 294
 Gly Arg Pro Thr Arg Pro Ile
 1 5

<210> 295
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 295
 Asp Pro Arg Val Arg Asp Leu Gln Gln Lys Asp Ile Gly Val Lys Pro
 1 5 10 15
 Glu Phe Ser Phe Asn Ile Pro Arg Ala Lys Arg Glu Leu Ala Gln Leu
 20 25 30
 Asn Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val
 35 40 45
 Val Gln Leu Ile Thr Gln Ser Pro Ser Gln Arg Val Asn Leu Glu Thr
 50 55 60

<210> 296
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 296
 Gln Gln Lys Asp Ile Gly Val Lys Pro Glu Phe Ser Phe Asn Ile Pro
 1 5 10 15
 Arg Ala Lys Arg Glu
 20

<210> 297
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 297
 Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val Val
 1 5 10 15
 Gln Leu Ile Thr Gln Ser Pro Ser Gln
 20 25

<210> 298
 <211> 142
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 298

Gln	Lys	Glu	Trp	Lys	Leu	Phe	Leu	Arg	Gly	Arg	Gln	Asn	Glu	Lys	Ser
1				5				10						15	

Gly	Tyr	Gln	Lys	Leu	Leu	Glu	Leu	Ile	Leu	Leu	Asp	Gln	Thr	Val	Arg
						20		25					30		

Val	Val	Thr	Ala	Gly	Ser	Ala	Ile	Leu	Gln	Lys	Cys	His	Phe	Tyr	Glu
							35		40			45			

Val	Leu	Ser	Glu	Ile	Lys	Arg	Leu	Gly	Asp	His	Leu	Ala	Glu	Lys	Thr
						50		55			60				

Ser	Xaa	Leu	Pro	Asn	His	Ser	Glu	Pro	Asp	His	Asp	Thr	Asp	Ala	Gly
						65		70			75		80		

Leu	Glu	Arg	Thr	Asn	Pro	Glu	Tyr	Glu	Asn	Glu	Val	Glu	Ala	Ser	Met
						85		90			95				

Asp	Met	Asp	Leu	Leu	Glu	Ser	Ser	Asn	Ile	Ser	Glu	Gly	Glu	Ile	Glu
							100		105		110				

Arg	Leu	Ile	Asn	Leu	Leu	Glu	Val	Phe	His	Leu	Met	Glu	Thr	Ala
							115		120		125			

Pro	His	Thr	Met	Ile	Gln	Gln	Pro	Val	Lys	Ser	Phe	Pro	Thr	
							130		135		140			

<210> 299

<211> 27

<212> PRT

<213> Homo sapiens

<400> 299

Leu	Arg	Gly	Arg	Gln	Asn	Glu	Lys	Ser	Gly	Tyr	Gln	Lys	Leu	Glu
1						5		10			15			

Leu	Ile	Leu	Leu	Asp	Gln	Thr	Val	Arg	Val	Val
						20		25		

<210> 300

<211> 26

<212> PRT

<213> Homo sapiens

<400> 300

Ile	Leu	Gln	Lys	Cys	His	Phe	Tyr	Glu	Val	Leu	Ser	Glu	Ile	Lys	Arg
1						5		10		15					

Leu	Gly	Asp	His	Leu	Ala	Glu	Lys	Thr	Ser
						20		25	

<210> 301
<211> 22
<212> PRT
<213> Homo sapiens

<400> 301
Asp Ala Gly Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu
1 5 10 15

Ala Ser Met Asp Met Asp
20

<210> 302
<211> 26
<212> PRT
<213> Homo sapiens

<400> 302
Asn Ile Ser Glu Gly Glu Ile Glu Arg Leu Ile Asn Leu Leu Glu Glu
1 5 10 15
Val Phe His Leu Met Glu Thr Ala Pro His
20 25

<210> 303
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 303
Arg Arg Thr Ser Gly Ser Pro Xaa Ala Ala Gly Ile Arg His Glu Gly
1 5 10 15

Gly Phe Ile

<210> 304
<211> 149
<212> PRT
<213> Homo sapiens

<400> 304
Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
1 5 10 15

Gly Thr Val Asn Asn Asp Asp Ser Asp Leu Leu Asp Ser Gln Val Gln
20 25 30

Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala Thr Ser Asp His Pro
 35 40 45

Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val Pro Ser
 50 55 60

Asp Glu Ser Thr Pro Pro Ser Ile Lys Lys Ile Ile His Val Leu Glu
 65 70 75 80

Lys Val Gln Tyr Leu Glu Gln Glu Val Glu Glu Phe Val Gly Lys Lys
 85 90 95

Thr Asp Lys Ala Tyr Trp Leu Leu Glu Glu Met Leu Thr Lys Glu Leu
 100 105 110

Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
 115 120 125

Ala Arg Lys Glu Ala Val Cys Lys Ile Gln Ala Ile Leu Glu Lys Lys
 130 135 140

Lys Lys Lys Asn Ser
 145

<210> 305
<211> 87
<212> PRT
<213> Homo sapiens

<400> 305
Gly Ala Arg Ala Thr Ala Pro Val Thr Val Arg Pro Thr Ala Ala Thr
 1 5 10 15

Thr Gly Leu Gly Val Glu Met Cys Arg Tyr Thr His Leu His Pro Tyr
 20 25 30

Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly Gly Cys
 35 40 45

Ala Gly Ala Ala Arg Arg Arg Pro Pro Gly Trp Glu Lys Ala Glu Glu-
 50 55 60

Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln Ser Leu Val Glu
 65 70 75 80

Pro Glu Glu Ala Thr Arg Val
 85

<210> 306
<211> 25
<212> PRT
<213> Homo sapiens

<400> 306
Pro Val Thr Val Arg Pro Thr Ala Ala Thr Thr Gly Leu Gly Val Glu
 1 5 10 15

Met Cys Arg Tyr Thr His Leu His Pro
20 25

<210> 307

<211> 25

<212> PRT

<213> Homo sapiens

<400> 307

Pro Tyr Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly
1 5 10 15

Gly Cys Ala Gly Ala Ala Arg Arg Arg
20 25

<210> 308

<211> 20

<212> PRT

<213> Homo sapiens

<400> 308

Lys Ala Glu Glu Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln
1 5 10 15

Ser Leu Val Glu
20

<210> 309

<211> 26

<212> PRT

<213> Homo sapiens

<400> 309

Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
1 5 10 15

Gly Thr Val Asn Asn Asp Asp Ser Asp Leu
20 25

<210> 310

<211> 24

<212> PRT

<213> Homo sapiens

<400> 310

Asp Ser Gln Val Gln Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala
1 5 10 15

Thr Ser Asp His Pro Asn Asn Gln
20

<210> 311

<211> 25
 <212> PRT
 <213> Homo sapiens

<400> 311
 His Pro Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val
 1 5 10 15
 Pro Ser Asp Glu Ser Thr Pro Pro Ser
 20 25

<210> 312
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 312
 Glu Val Glu Glu Phe Val Gly Lys Lys Thr Asp Lys Ala Tyr Trp Leu
 1 5 10 15
 Leu Glu Glu Met Leu Thr Lys Glu
 20

<210> 313
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 313
 Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
 1 5 10 15
 Ala Arg Lys Glu Ala Val Cys Lys
 20

<210> 314
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 314
 Ile Arg His Glu Tyr Pro Val Leu Ile Gln Phe Ser Val Ser Tyr Arg
 1 5 10 15
 Lys Ser Phe Ile Phe Cys Leu Pro Glu
 20 25

<210> 315
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 315

Ala	Asp	Val	Glu	Leu	Val	Asp	Pro	Xaa	Gly	Cys	Arg	Asn	Ser	Ala	Arg
1				5										10	15

Ala	Pro	Ala	Arg	Lys	Lys	Glu	Trp	His	Ser	Trp	Ala	Trp	Pro	Arg	Ile
						20		25					30		

Arg	Val	Ile	Arg	Ala	Arg	Glu	Ser	Leu	Gly	Ser	
						35		40			

<210> 316

<211> 31

<212> PRT

<213> Homo sapiens

<400> 316

Glu	Phe	Gly	Thr	Ser	Arg	Gly	Pro	Val	Pro	Leu	Ser	Ser	Thr	Ser	Pro
1				5					10				15		

Met	Pro	Ser	Arg	Leu	Val	Ile	Arg	Ala	His	Ser	Leu	Leu	Phe	Ala
						20		25				30		

<210> 317

<211> 30

<212> PRT

<213> Homo sapiens

<400> 317

Phe	Arg	Ala	Trp	Arg	Asn	His	Gly	His	Ser	Cys	Phe	Leu	Cys	Glu	Ile
1				5					10				15		

Val	Ile	Arg	Ser	Gln	Phe	His	Thr	Thr	Tyr	Glu	Pro	Glu	Ala
						20		25			30		

<210> 318

<211> 102

<212> PRT

<213> Homo sapiens

<400> 318

Ala	Asp	Asn	Asn	Phe	Thr	Gln	Glu	Thr	Ala	Met	Thr	Met	Ile	Thr	Pro
1				5					10			15			

Ser	Ser	Lys	Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr
						20		25				30			

Ala	Val	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn
							35	40			45			

Ser	Ala	Arg	Ala	Val	Leu	Leu	Ile	Trp	Gly	His	Gly	Ser	Ser	Gly	Lys
						55			60						

Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val Gly Gly Ser Val
 65 70 75 80

Pro Val His Arg Tyr Leu Leu Ala Ala His Ile His Ser Glu Ala Leu
 85 90 95

Leu Ser Gln Leu Arg Met
 100

<210> 319

<211> 24

<212> PRT

<213> Homo sapiens

<400> 319

Thr Ala Met Thr Met Ile Thr Pro Ser Ser Lys Leu Thr Leu Thr Lys
 1 5 10 15

Gly Asn Lys Ser Trp Ser Ser Thr
 20

<210> 320

<211> 26

<212> PRT

<213> Homo sapiens

<400> 320

Ser Ser Gly Lys Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val
 1 5 10 15

Gly Gly Ser Val Pro Val His Arg Tyr Leu
 20 25

<210> 321

<211> 7

<212> PRT

<213> Homo sapiens

<400> 321

Val Asp Pro Val Lys Gly Gly
 1 5

<210> 322

<211> 16

<212> PRT

<213> Homo sapiens

<400> 322

Ile Arg His Glu Arg His Glu Leu Val Pro Asn Ser Ala Arg Asp Phe
 1 5 10 15

<210> 323
<211> 6
<212> PRT
<213> Homo sapiens

<400> 323
Ala Thr Ser His Cys Gly
1 5

<210> 324
<211> 48
<212> PRT
<213> Homo sapiens

<400> 324
Ala His Gly Gln Ile Glu Gly Lys Ala Leu Thr His Asp His Thr Ala
1 5 10 15
Glu Lys Trp Gln Arg Gln Asp Leu Asn Leu Glu Pro Leu Ala Pro His
20 25 30
Thr Ser Asn Leu Asn His Ser Pro Tyr Asn Thr Thr Tyr Val Val Lys
35 40 45

<210> 325
<211> 9
<212> PRT
<213> Homo sapiens

<400> 325
Leu Asn Ser Ser Asp Cys Gln Leu Ala
1 5

<210> 326
<211> 33
<212> PRT
<213> Homo sapiens

<400> 326
Thr Pro His Asn Leu Ser Ala Arg Arg Leu Ser Gly Thr Met Tyr Gly
1 5 10 15
Phe Phe Ala Leu Gln Leu Thr Val Leu Leu Val His Tyr Phe Phe Leu
20 25 30

Ile

<210> 327
<211> 40

<212> PRT
<213> Homo sapiens

<400> 327
Asn Ser Ala Arg Ala Lys Met Arg Leu Ser Thr Asn Leu Cys Ile Ile
1 5 10 15
Leu Ile Asn Ile Leu Ile Gln Asn Val Leu Asn Phe Asn Arg Lys Ile
20 25 30
Ile Phe Lys Phe Leu Pro Cys Ala
35 40

<210> 328
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 328
Asn Xaa Trp Ile Pro Arg Ala Ala Gly Ile Arg His Xaa Ala Ala Leu
1 5 10 15
Gly Gln Ala Gly Thr
20

<210> 329
<211> 85
<212> PRT
<213> Homo sapiens

<400> 329
Leu Leu Phe His Met Lys Leu Arg Lys Glu Val Glu Arg Thr Gly Leu
1 5 10 15
Val Leu Trp Ala Leu Leu Ala Gly Ala Pro Pro Pro Thr Ala Gly Leu
20 25 30
Gln Leu Gln Gly Ser Glu Ala Ile Ser Glu Lys Val Gly Ser Gly Ala
35 40 45
Glu Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln
50 55 60
Gln Ala Phe His Leu Cys Pro Gln Val Ile His Gly Leu Leu Tyr His
65 70 75 80

Leu Leu His Asp Ile
85

<210> 330

<211> 25

<212> PRT

<213> Homo sapiens

<400> 330

Arg Lys Glu Val Glu Arg Thr Gly Leu Val Leu Trp Ala Leu Leu Ala
1 5 10 15

Gly Ala Pro Pro Pro Thr Ala Gly Leu
20 25

<210> 331

<211> 23

<212> PRT

<213> Homo sapiens

<400> 331

Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln Gln
1 5 10 15

Ala Phe His Leu Cys Pro Gln
20

<210> 332

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 332

Gly Ser Arg Arg His Val Val Gly Lys Pro Gly Thr Pro Cys Arg Tyr
1 5 10 15

Arg Ala Gly Ile Pro Xaa Val Asp Pro Arg Val Arg Ser Ile Thr Val
20 25 30

Ile Val Lys Met Trp Phe Leu Arg Val Val Ala Thr Tyr Gly Gly Val
35 40 45

Glu Arg
50

<210> 333

<211> 18

<212> PRT

<213> Homo sapiens

<400> 333

Ile Phe Ser Cys Asp Ser Ile Ala Ile Ile Gln Ile Lys His Leu Ala
1 5 10 15

Phe Pro

<210> 334

<211> 34

<212> PRT

<213> Homo sapiens

<400> 334

Gly Leu Trp Leu Ser Leu Gly Gly Phe His Glu Arg Gly Gln Asp Trp
 1 5 10 15

Glu Gln Thr Gln Lys Ile Tyr Asn Cys His Val Leu Leu Asn Arg Lys
20 25 ... 30

Gly Gln

<210> 335

<211> 68

<212> PRT

<213> Homo sapiens

<400> 335

Ala Trp E

1

35 40 45

50

<210> 33

<211> 27

<212> PRT

<400> 336
Arg Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr

His Leu Cys Asp Val Glu Ile Pro Gly Gln Gly

<210> 337

<211> 8

<212> PRT

<213> Homo sapiens

<400> 337

Arg Arg Asp Ser Arg Ala Gly Ala
1 5

<210> 338

<211> 8

<212> PRT

<213> Homo sapiens

<400> 338

Leu Ser Ala Gly Asn His Asp Thr
1 5

<210> 339

<211> 41

<212> PRT

<213> Homo sapiens

<400> 339

Lys Gln Val Lys Cys Ala Lys Val Ser Tyr Leu Leu Phe Leu Phe Gln
1 5 10 15

Tyr Cys Ala Ile Asp Ser Cys Ile Lys Phe Trp Asn Ala Gly Ser Ser
20 25 30

Trp Leu Ser Ser Val Thr Leu Trp Ser
35 40

<210> 340

<211> 13

<212> PRT

<213> Homo sapiens

<400> 340

Ile Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val
1 5 10

<210> 341

<211> 14

<212> PRT

<213> Homo sapiens

<400> 341

Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu
1 5 10

<210> 342
<211> 19
<212> PRT
<213> Homo sapiens

<400> 342
Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val Glu Trp Met
1 5 10 15
Gln Asp Phe

<210> 343
<211> 13
<212> PRT
<213> Homo sapiens

<400> 343
Ala Phe Gln Asp Ala Leu Asn Gln Glu Thr Thr Tyr Val
1 5 10

<210> 344
<211> 41
<212> PRT
<213> Homo sapiens

<400> 344
Asn Leu Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser
1 5 10 15
Leu Arg Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu
20 25 30
Leu Phe Val Gln Val Thr Ser Ala Ala
35 40

<210> 345
<211> 10
<212> PRT
<213> Homo sapiens

<400> 345
Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser
1 5 10

<210> 346
<211> 29
<212> PRT
<213> Homo sapiens

<400> 346
Lys Asp Met Gly Ser Val Ala Leu Asp Ala Gly Thr Ala Lys Asp Ser
1 5 10 15

Leu Ser Pro Val Leu His Pro Ser Asp Leu Ile Leu Thr
 20 25

<210> 347
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 347
 Ala Gly Ser Gly Lys Thr Thr Phe Val Gln Arg Leu Thr Gly His Leu
 1 5 10 15

His Ala Gln Gly Thr Pro Pro Tyr Val Ile Asn Leu
 20 25

<210> 348
 <211> 134
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (119)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 348
 Ser Thr Trp Ile Gln Gln Tyr Met Lys Phe Pro Phe Leu Pro Ile Leu
 1 5 10 15

Val Met Lys Phe Ile Glu Lys Ala Gln Asn Met Ser Lys Tyr Val Leu
 20 25 30

Ile Asp Thr Pro Gly Gln Ile Glu Val Phe Thr Trp Ser Ala Ser Gly
 35 40 45

Thr Ile Ile Thr Glu Ala Leu Ala Ser Ser Phe Pro Thr Val Xaa Ile
 50 55 60

Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val Thr Phe Met Cys
 65 70 75 80

Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu Ala Phe
 85 90 95

Ile Xaa Gly Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val
 100 105 110

Glu Trp Met Gln Asp Phe Xaa Ala Phe Gln Asp Ala Leu Asn Gln Glu
 115 120 125

Thr Thr Tyr Val Ile Thr
 130

<210> 349
 <211> 197
 <212> PRT
 <213> Homo sapiens

<400> 349
 Gly Phe Pro Arg Cys Leu Glu Ser Arg Asp Tyr Ile Arg His Asn Leu
 1 5 10 15

Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser Leu Arg
 20 25 30

Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu Leu Phe
 35 40 45

Val Gln Val Thr Ser Ala Ala Glu Glu Tyr Glu Arg Glu Tyr Arg Pro
 50 55 60

Glu Tyr Glu Arg Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser Gln Gln
 65 70 75 80

Gln Arg Glu Gln Leu Glu Arg Leu Arg Lys Asp Met Gly Ser Val Ala
 85 90 95

Leu Asp Ala Gly Thr Ala Lys Asp Ser Leu Ser Pro Val Leu His Pro
 100 105 110

Ser Asp Leu Ile Leu Thr Arg Gly Thr Leu Asp Glu Asp Glu Glu
 115 120 125

Ala Asp Ser Asp Thr Asp Asp Ile Asp His Arg Val Thr Glu Glu Ser
 130 135 140

His Glu Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln
 145 150 155 160

Tyr Trp Lys Arg Asn Asn Lys His Arg Val Thr Glu Glu Ser His Glu
 165 170 175

Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln Tyr Trp
 180 185 190

Lys Arg Asn Asn Lys
 195

<210> 350
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 350
Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
1 5 10

<210> 351
<211> 39
<212> PRT
<213> Homo sapiens

<400> 351
Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
1 5 10 15
Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
20 25 30
His Gln Ile Lys Thr Ser Pro
35

<210> 352
<211> 38
<212> PRT
<213> Homo sapiens

<400> 352
Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln
1 5 10 15
Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met
20 25 30
His Leu Asn Asp Asn Ser
35

<210> 353
<211> 48
<212> PRT
<213> Homo sapiens

<400> 353
Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala
1 5 10 15
Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu
20 25 30
Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu
35 40 45

<210> 354

<211> 19
<212> PRT
<213> Homo sapiens

<400> 354
Glu Phe Gly Thr Arg Ser Leu Asp Pro Ser Gly Arg His Arg Val Gly
1 5 10 15

Ala Ala Gly

<210> 355
<211> 44
<212> PRT
<213> Homo sapiens

<400> 355
Ala Gln Gly Arg Cys Ser Arg Asp Gly Ala Ser Ala His Gly Gly Leu
1 5 10 15

Ser Val Pro Arg Trp Thr Cys Pro Ser Ser Gly Ser His Asn Pro Leu
20 25 30

Pro Leu His Tyr Phe Thr Gln Val Gly Thr Phe Pro
35 40

<210> 356
<211> 44
<212> PRT
<213> Homo sapiens

<400> 356
Cys Arg Val Ser Ala Leu Arg Glu Leu Lys Asp Ser Gln Arg His Gln
1 5 10 15

Gly Ser Leu Ala Gln Arg Ser Asn Ser Gln Ala Pro Arg Arg Thr Ala
20 25 30

Met Glu Arg Thr Glu Thr His Leu Gln Trp Gly Leu
35 40

<210> 357
<211> 45
<212> PRT
<213> Homo sapiens

<400> 357
Gly Thr Leu Pro Val Pro Gly Val Gln Ser Leu Pro Thr Pro Ser Leu
1 5 10 15

Cys Leu Pro Pro Ser Lys Gly Gly Val Thr Thr Ser Val Ala Lys His
20 25 30

Leu Leu Pro Gly Ser Leu His Pro Gly His Leu Ser Leu
35 40 45

<210> 358
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 358
Trp Ser Val Cys Leu Ser Val Pro Pro Ser Leu Asn Leu Leu Pro Pro
1 5 10 15

Cys Pro Leu Leu Leu Ala Pro Gly Ser Pro Xaa Pro Leu Leu Ala Ala
20 25 30

Pro Ser His Leu Thr Gln Gly Ser Leu Arg Thr Leu Lys Trp Trp Ile
35 40 45

His Pro Glu
50

<210> 359
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 359
Ser Pro Gly Leu Xaa Gly Ile Arg His Glu Gln Pro Ser Lys Leu Met
1 5 10 15

Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala Asn Ile Leu Ser Ser Pro
20 25 30

Thr Asp Arg Ser Met Ser Ser Leu Ser Ala Ser Gln Leu His Thr
35 40 45

Val Asn
50

<210> 360
<211> 25
<212> PRT
<213> Homo sapiens

<400> 360
Gln Pro Ser Lys Leu Met Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala
1 5 10 15

Asn Ile Leu Ser Ser Pro Thr Asp Arg
20 25

<210> 361
<211> 26
<212> PRT
<213> Homo sapiens

<400> 361
Gln Leu His Thr Val Asn Met Arg Asp Pro Leu Asn Arg Val Leu Ala
1 5 10 15

Asn Leu Phe Leu Leu Ile Ser Ser Ile Leu
20 25

<210> 362
<211> 17
<212> PRT
<213> Homo sapiens

<400> 362
Gly Ser Arg Thr Ala Gly Pro His Thr Gln Phe Val Gln Trp Phe Met
1 5 10 15

Glu

<210> 363
<211> 16
<212> PRT
<213> Homo sapiens

<400> 363
Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp
1 5 10 15

<210> 364
<211> 9
<212> PRT
<213> Homo sapiens

<400> 364
Asp Asn Tyr Cys Leu Gln Ile Asn Pro
1 5

<210> 365
<211> 13
<212> PRT
<213> Homo sapiens

<400> 365

Lys Arg Ile Leu Asn Lys Pro Val Gly Leu Lys Asp Leu
1 5 10

<210> 366

<211> 20

<212> PRT

<213> Homo sapiens

<400> 366

Gly Pro Gln Ile Ala Tyr Val Arg Asp Phe Lys Ala Lys Val Gln Tyr
1 5 10 15

Phe Arg Phe Trp
20

<210> 367

<211> 21

<212> PRT

<213> Homo sapiens

<400> 367

Tyr Phe Val Asn His Asn Thr Arg Ile Thr Gln Trp Glu Asp Pro Arg
1 5 10 15

Ser Gln Gly Gln Leu
20

<210> 368

<211> 23

<212> PRT

<213> Homo sapiens

<400> 368

Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys Phe Ile Asp
1 5 10 15

Thr Gly Phe Ser Leu Pro Phe
20

<210> 369

<211> 18

<212> PRT

<213> Homo sapiens

<400> 369

Lys Gln Ile Met Trp Phe Trp Gln Phe Val Lys Glu Ile Asp Asn Glu
1 5 10 15

Lys Arg

<210> 370
<211> 17
<212> PRT
<213> Homo sapiens

<400> 370
Phe Asn Arg Leu Asp Leu Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys
1 5 10 15

Glu

<210> 371
<211> 474
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (198)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (235)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (428)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 371
Thr His Ala Ser Ala Thr Arg Pro Gly Pro Leu Pro Pro Gly Trp Glu
1 5 10 15

Lys Arg Thr Asp Ser Asn Gly Arg Val Tyr Phe Val Asn His Asn Thr

20

25

30

Arg Ile Thr Gln Trp Glu Asp Pro Arg Ser Gln Gly Gln Leu Asn Glu
 35 40 45

Lys Pro Leu Pro Glu Gly Trp Glu Met Arg Phe Thr Val Asp Gly Ile
 50 55 60

Pro Tyr Phe Val Asp His Asn Arg Arg Thr Thr Tyr Ile Asp Pro
 65 70 75 80

Arg Thr Gly Lys Ser Ala Leu Asp Asn Gly Pro Gln Ile Ala Tyr Val
 85 90 95

Arg Asp Phe Lys Ala Lys Val Gln Tyr Phe Arg Phe Trp Cys Gln Gln
 100 105 110

Leu Ala Met Pro Gln His Ile Lys Ile Thr Val Thr Arg Lys Thr Leu
 115 120 125

Phe Glu Xaa Ser Phe Gln Gln Xaa Xaa Ser Phe Ser Pro Gln Asp Leu
 130 135 140

Arg Xaa Arg Leu Trp Val Ile Phe Pro Gly Glu Glu Gly Leu Asp Tyr
 145 150 155 160

Gly Gly Val Ala Arg Glu Trp Phe Phe Leu Leu Ser His Glu Val Leu
 165 170 175

Asn Pro Met Tyr Cys Leu Phe Glu Tyr Ala Gly Lys Asp Asn Tyr Cys
 180 185 190

Leu Gln Ile Asn Pro Xaa Ser Tyr Ile Asn Pro Asp His Leu Lys Tyr
 195 200 205

Phe Arg Phe Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys
 210 215 220

Phe Ile Asp Thr Gly Phe Ser Leu Pro Phe Xaa Lys Arg Ile Leu Asn
 225 230 235 240

Lys Pro Val Gly Leu Lys Asp Leu Glu Ser Ile Asp Pro Glu Phe Tyr
 245 250 255

Asn Ser Leu Ile Trp Val Lys Glu Asn Asn Ile Glu Glu Cys Asp Leu
 260 265 270

Glu Met Tyr Phe Ser Val Asp Lys Glu Ile Leu Gly Glu Ile Lys Ser
 275 280 285

His Asp Leu Lys Pro Asn Gly Gly Asn Ile Leu Val Thr Glu Glu Asn
 290 295 300

Lys Glu Glu Tyr Ile Arg Met Val Ala Glu Trp Arg Leu Ser Arg Gly
 305 310 315 320

Val Glu Glu Gln Thr Gln Ala Phe Phe Glu Gly Phe Asn Glu Ile Leu
 325 330 335

Pro Gln Gln Tyr Leu Gln Tyr Phe Asp Ala Lys Glu Leu Glu Val Leu
340 345 350

Leu Cys Gly Met Gln Glu Ile Asp Leu Asn Asp Trp Gln Arg His Ala
355 360 365

Ile Tyr Arg His Tyr Ala Arg Thr Ser Lys Gln Ile Met Trp Phe Trp
370 375 380

Gln Phe Val Lys Glu Ile Asp Asn Glu Lys Arg Met Arg Leu Leu Gln
385 390 395 400

Phe Val Thr Gly Thr Cys Arg Leu Pro Val Gly Gly Phe Ala Asp Leu
405 410 415

Met Gly Ser Asn Gly Pro Gln Lys Phe Cys Ile Xaa Lys Val Gly Lys
420 425 430

Glu Asn Trp Leu Pro Arg Ser His Thr Cys Phe Asn Arg Leu Asp Leu
435 440 445

Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys Glu Lys Leu Leu Phe Ala
450 455 460

Ile Glu Glu Thr Glu Gly Phe Gly Gln Glu
465 470